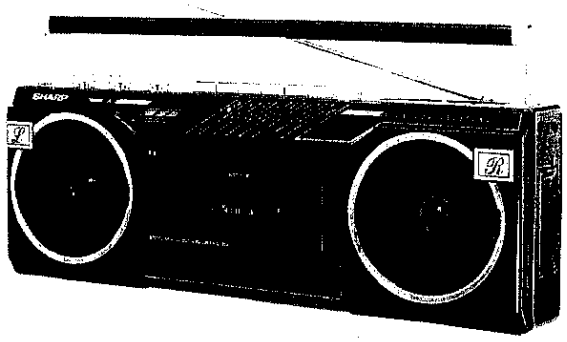
SHARP

SERVICE MANUAL/SERVICE-ANLEITUNG/MANUEL DE SERVICE

S05I7QT264HBK



QT-264H(BK)

- In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified be used.
- Im Interesse der Benutzer-Sicherheit sollte dieses Gerät wieder auf seinen ursprünglichen Zustand eingestellt und nur die vorgeschriebenen Teile verwendet werden.
- Dans l'intérêt de la sécurité de l'utilisateur, l'appareil devra être reconstitué dans sa condition première et seules des pièces identiques à celles spécifiées, doivent être utilisées.

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SHARP CORPORATION

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FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

SPECIFICATIONS

GENERAL

Power source:	AC 110–120 V and 220–240 V, 50/60 Hz DC 9V (UM/SUM-2 or R14 type x 6) DC 3V (UM/SUM-3 or R6 type x 2) for memory back up
Output power: (DIN 45 324)	MPO; 6.8W (3.4W + 3.4W) (AC operation) RMS; 4.6W (2.3W + 2.3W) (DC operation)
Semiconductors:	9 ICs 12 Transistors 19 Diodes 17 LEDs
Dimensions:	Width; 402 mm (15-13/16") Height; 137 mm (5-7/16") Depth; 81 mm (3-3/16")
Weight:	2.0 kg (4.4 lbs.) without batteries

TAPE RECORDER

Tape:	Compact cassette tape
Frequency response:	50 Hz–10,000 Hz
Signal/noise ratio:	46 dB
Bias system:	AC bias
Erase system:	AC erase
Wow and flutter:	0.35% (DIN 45 511)
Input impedance:	External mic; 600 ohms
Loaded impedance:	Headphones; 8–32 ohms

RADIO

Frequency range:	FM; 87.5 – 108 MHz
	MW; 522 – 1602 kHz

SPEAKER

Speakers:	9 cm (3-1/2") full-range speaker x 2
Impedance:	3.2 ohms

Specifications for this model are subject to change without prior notice.

VOLTAGE SELECTION

Before operating the unit on mains, check the preset voltage. If the voltage is different from your local voltage, adjust the voltage as follows: Slide the AC power supply socket cover by slightly loosing the screw to the visible indication of the side of your local voltage.

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EINE VOLLSTÄNDIGE BESCHREIBUNG DER BEDIENUNG DIESES GERÄTES IST IN DER BEDIENUNGSANLEITUNG ENTHALTEN.

TECHNISCHE DATEN

ALLGEMEINE DATEN

Spannungsversorgung:	110–120 V und 220–240 V Netzspannung, 50/60 Hz 9V Gleichspannung (Typ UM/SUM-2 oder R14 x 6) 3V Gleichspannung (Typ UM/SUM-3 oder R6 x 2) für Speicherschutz
Ausgangsleistung: (DIN 45 324)	Musikleistung; 6,8 W (3,4 + 3,4 W) (Netzbetrieb) Sinusleistung; 4,6 W (2,3 W + 2,3 W) (Batteriebetrieb)
Bestückung:	9 integrierte Schaltkreise 12 Transistoren 19 Dioden 17 Leuchtdioden
Abmessungen:	Breite; 402 mm Höhe; 137 mm Tiefe; 81 mm
Gewicht:	2,0 kg ohne Batterien

TONBANDGERÄT

Band:	Kompaktcassettenband
Frequenzgang:	50 – 10 000 Hz
Rauschabstand:	46 dB
Vormagnetisierungs-system:	Wechselstrom
Löschsystem:	Wechselstrom
Gleichlaufschwankungen:	0,35% (DIN 45 511)
Eingangsimpedanz:	Externes Mikrofon; 600 Ohm
Belastungsimpedanz:	Kophfhörer; 8–32 Ohm

RADIO

Frequenzbereiche:	UKW; 87,5 – 108 MHz MW; 522 – 1602 kHz

LAUTSPRECHER

Lautsprecher:	9 cm-Vollbereichslautsprecher x 2
Impedanz;	3,2 Ohm

Die technischen Daten für dieses Modell können ohne vorherige Ankündigung Änderungen unterworfen sein.

SPANNUNGSWAHL

Vor Betrieb dieses Gerätes üder Netzspannung muß die Spannungsvoreinstellung des Spannungswählers überprüftwerden. Sollte die Einstellung des Spannungswählers nichtmit der örtlichen Netspannung übereinstimmen, diesen auf folgende Weise einstellen. Durch Lösen der Schrauben der Netzzuleitungsbuchsenabdeckung wird die Abdeckung auf die Spannungszahl der örtlichen Netzspannung geschoben.

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POUR LA DESCRIPTION COMPLÈTE DU FONCTIONNEMENT DE CET APPAREIL, SE REPORTER AU MODE D'EMPLOI.

CARACTÉRISTIQUES

GÉNÉRALITÉS

Alimentation:	CA 110 à 120 V et 220 à 240 V, 50/60 Hz 9V CC (UM/SUM-2 ou R14 x 6) 3V CC (UM/SUM-3 ou R6 x 2) pour protection
Puissance de sortie: (DIN 45 324)	MPO; 6,8 W (3,4 W + 3,4 W) (Fonctionnemeter sur CA) RMS; 4,6 W (2,3 W + 2,3 W) (Fonctionnement sur CC)
Semi-conducteurs:	9 CI 12 transistors 19 diodes 17 LED
Dimensions:	Largeur; 402 mm Hauteur; 137 mm Profondeur; 81 mm
Poids:	2,0 kg sans piles

MAGNÉTOPHONE

Bande:	Cassette compacte
Réponse en fréquence:	50 à 10000 Hz
Rapport signal/bruit:	46 dB
Système de polarisation:	Polarisation CA
Système d'effacement:	Effacement CA
Pleurage et scintillement:	0,35% (DIN 45 511)
Impédance d'entrée:	Micro extérieur; 600 ohms
Impédance chargée:	Casque; 8 à 32 ohms

RADIO

Gamme des fréquences:	FM; 87,5 à 108 MHz PO; 522 à 1602 kHz

ENCEINTE

Haut-parleurs:	Gamme totale de 9 cm x 2
Impédance:	3,2 ohms

Les caractéristiques de ce modèle sont sujettes à modification sans préavis.

SÉLECTION DE LA TENSION

Avant de brancher l'appareil sur l'alimentation de secteur, Vérifier la tension préréglée. Si la tension diffère de la tension locale, régler la tension de la facon suivante: faire glisser le couvercle de la douille d'alimentation de secteur, en desserrant un peu la vis, vers l'indication visible du côté de l'alimentation locale.

NAMES OF PARTS

1. Volume Control
2. Balance Control
3. Tone Control
4. Function Selector
5. FM Mode Switch
6. External Microphone Jack
7. Built-In Microphone
8. Band Selector Switch
9. Preset Station Memory
10. Preset Tuning Buttons
11. Tuning Controls
12. Power Indicator
13. FM Stereo Indicator
14. Tuning Meter
15. Digital Tape Counter and Tape Counter Reset Button
16. Cassette Compertment
17. Dial Indicators
18. Preset Tuning Indicators
19. FM Telescopic Rod Antenna
20. Record Button
21. Play Button
22. Rewind Button
23. Fast Forward Button
24. Stop/Eject Button
25. Pause Button
26. Memory Reserve Battery Compertment
27. Battery Compertment
28. Headphones Jack
29. Beat Cancel Switch
30. AC Power Supply Socket

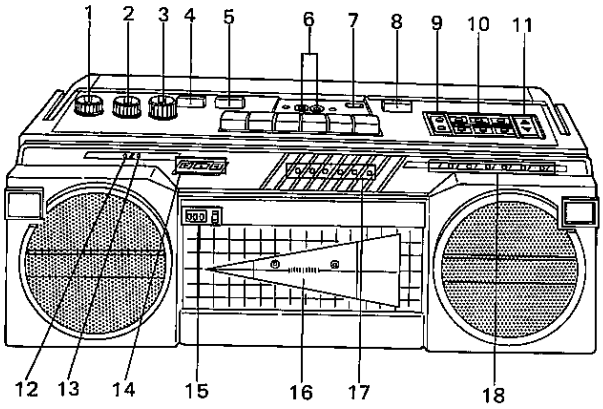


Figure 4–1

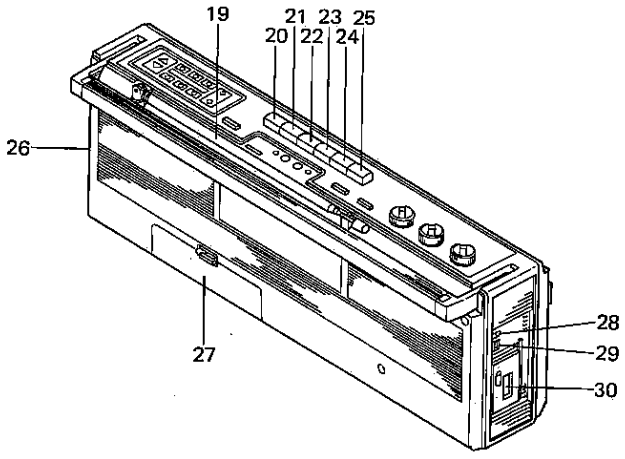


Figure 4–2

Ⓓ BEZEICHNUNG DER TEILE

1. Lautstärkesteller
2. Balancesteller
3. Klangsteller
4. Funktionswahlschalter
5. UKW-Betriebsartenschalter
6. Außenmikrofonbuchsen
7. Eingebautes Mikrofon
8. Wellenbereichswahlschalter
9. Festsenderspeichertaste
10. Vorabstimmtasten
11. Abstimmsteller
12. Einschaltanzeige
13. UKW-Stereoanzeige
14. Abstimmeter
15. Digitales Bandzählwerk und Bandzählwerk-Rückstelltaste
16. Cassettenfach
17. Skalenanzeige
18. Vorabstimmannzeigen
19. UKW-Teleskopstabantenne
20. Aufnahmetaste
21. Wiedergabetaste
22. Rückspultaste
23. Schnellvorlautaste
24. Stopp-/Auswurftaste
25. Pausentaste
26. Speicherschutzbatteriefach
27. Batteriefach
28. Kopfhörerbuchse
29. Schwebungsunterdrückungsschalter
30. Netzanschlußbuchse

Ⓕ NOMENCLATURE

1. Commande de volume
2. Commande de balance
3. Commande de tonalité
4. Commutateur de sélection de fonction
5. Commutateur de mode FM
6. Douilles de microphone extérieur
7. Microphone incorporé
8. Commutateur de sélection de gamme d'ondes
9. Bouton de mémoire de station préréglée
10. Boutons d'accord préréglé
11. Commandes d'accord
12. Témoin d'alimentation
13. Témoin de FM stéréo
14. Compteur d'accord
15. Compteur numérique de bande et bouton de remise à zéro
16. Compartiment de cassette
17. Témoins de cadran
18. Témoins d'accord préréglé
19. Antenne-tige télescopique FM
20. Bouton d'enregistrement
21. Bouton de lecture
22. Bouton de rebobinage
23. Bouton d'avance rapide
24. Bouton d'arrêt/éjection
25. Bouton de pause
26. Compartiment de piles réserve-mémoire
27. Compartiment de piles
28. Douille de casque
29. Commutateur de suppression de battement
30. Douille d'alimentation CA

DISASSEMBLY

Caution on Disassembly
Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep its safety and excellent performance:

1. Take cassette tape out of the unit.
2. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit and remove the batteries from the unit.
3. Take off nylon bands or wire holders where they need be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.
4. Take sufficient care on static electricity of integrated circuits and other circuits when servicing.

STEP	REMOVAL	PROCEDURE	FIGURE
1	Front cabinet	1. Battery compartment lid . . . . . (A) 2. Screw . . . . . (B) x 7 3. Knob . . . . . (C) x 3	6–1
		4. Open the cassette holder . . . . . (D) 5. Socket. . . . . (E) x 1 6. Tip. . . . . (F) x 1	6–2
2	Mechanism block	1. Tape counter drive belt . . . . . (G) x 1 2. Screw . . . . . (H) x 2 3. Socket. . . . . (I) x 2	6–3
3	Main P.W.Board	1. Screw . . . . . (J) x 8 2. Spring . . . . . (K) x 1 3. Tip. . . . . (L) x 2	6–4

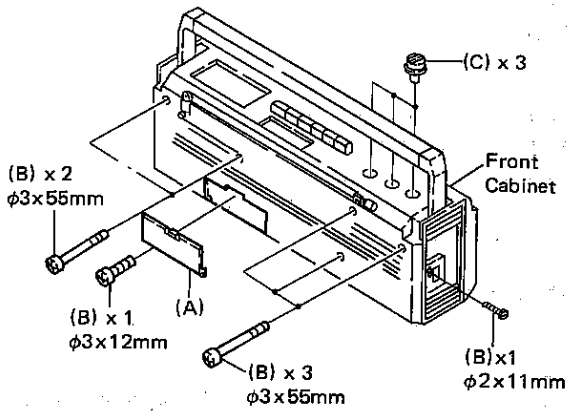


Figure 6–1

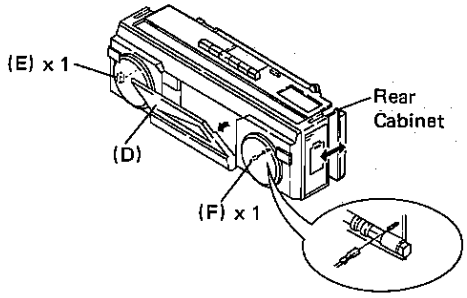


Figure 6–2

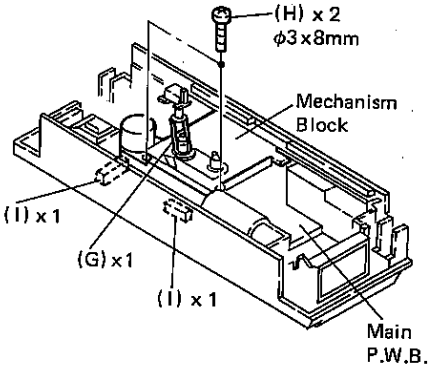


Figure 6–3

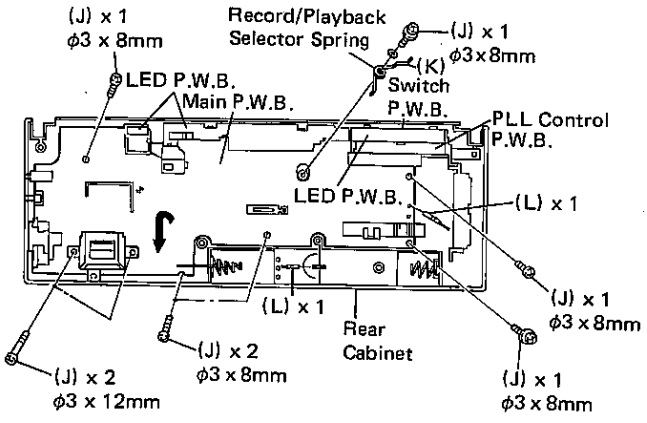


Figure 6–4

Ⓓ ZERLEGEN

Vorsichtmassregeln Für Das Zerlegen
Beim Zerlegen und Zusammenbauen des Gerätes die folgenden Anweisungen befolgen, um dessen Betriebssicherheit und ausgezeichnete Leistung aufrechtzuerhalten.
1. Die Cassette aus dem Gerät entfernen.
2. Bevor mit dem Zerlegen des Gerätes begonnen wird, unbedingt den Netzkabelstecker aus der Netzsteckdose ziehen und die Batterien aus dem Gerät antfernen.
3. Nylonbänder oder Leitungshalter entfernen, falls dies beim Zerlegen des Gerätes erforderlich ist. Nach Warten des Gerätes darauf achten, die Leitungen wieder so zu verlegen, wie sie vor den Zerlegen angeordnet waren.
4. Beim Ausführen von Wartungsarbeiten auf statische Elektrizrizität der integrierten Schaltkreise und anderen Schaltungen achten.

SCHRITT	ENTFERNEN	VERFAHREN	ABBILDUNG
1	Vordere Gehäusehälfte	1. Batteriefachdeckel . . . . . (A) 2. Schraube . . . . . (B)x7 3. Knopf . . . . . (C)x3 4. Cassettenhalter öffnen . . . . . (D) 5. Buchse. . . . . (E)x1 6. Spitze . . . . . (F)x1	6–1 6–2
2	Laufwerkblock	1. Bandzählwerk-Antriebsriemen . . . (G)x1 2. Schraube . . . . . (H)x2 3. Buchse. . . . . (I)x2	6–3
3	Hauptleiterplatte	1. Schraube . . . . . (J)x8 2. Feber . . . . . (K)x1 3. Spitze . . . . . (L)x2	6–4

Ⓕ DÉMONTAGE

Précautions pour le démontage
Lors du démontage de l'appareil et de son remontage, suivre les précautions ci-dessous, pour maintenir la sécurité et d'excellentes performances.
1. Déposer la bande cassette de l'appareil.
2. S'assurer de retirer la fiche d'alimentation secteur de la prise murale avant de démarrer le démontage de l'appareil et déposer les piles de l'appareil.
3. Déposer les bandes de nylon ou les serre-câbles si nécessaire lors du démontage de l'appareil. Après la réparation de l'appareil, s'assurer de redisposer les fils tel qu'ils étaient avant le démontage.
4. Faire attention à l'électricité statique des circuits intégrés et des autres circuits lors de la réparation.

ÉTAPE	DÉPOSE	PROCÉDÉ	FIGURE
1	Coffret avant	1. Abattant du compartiment des piles. . . (A) 2. Vis . . . . . (B)x7 3. Bouton. . . . . (C)x3 4. Ouvrir le porte-cassette . . . (D) 5. Douille. . . . . (E)x1 6. Languette . . . . . (F)x1	6–1 6–2
2	Bloc du mécanisme	1. Courroie d'entraînement du compteur de bande . . . . . (G)x1 2. Vis . . . . . (H)x2 3. Douille. . . . . (I)x2	6–3
3	PMI principale	1. Vis . . . . . (J)x8 2. Ressort. . . . . (K)x1 3. Languette . . . . . (L)x2	6–4

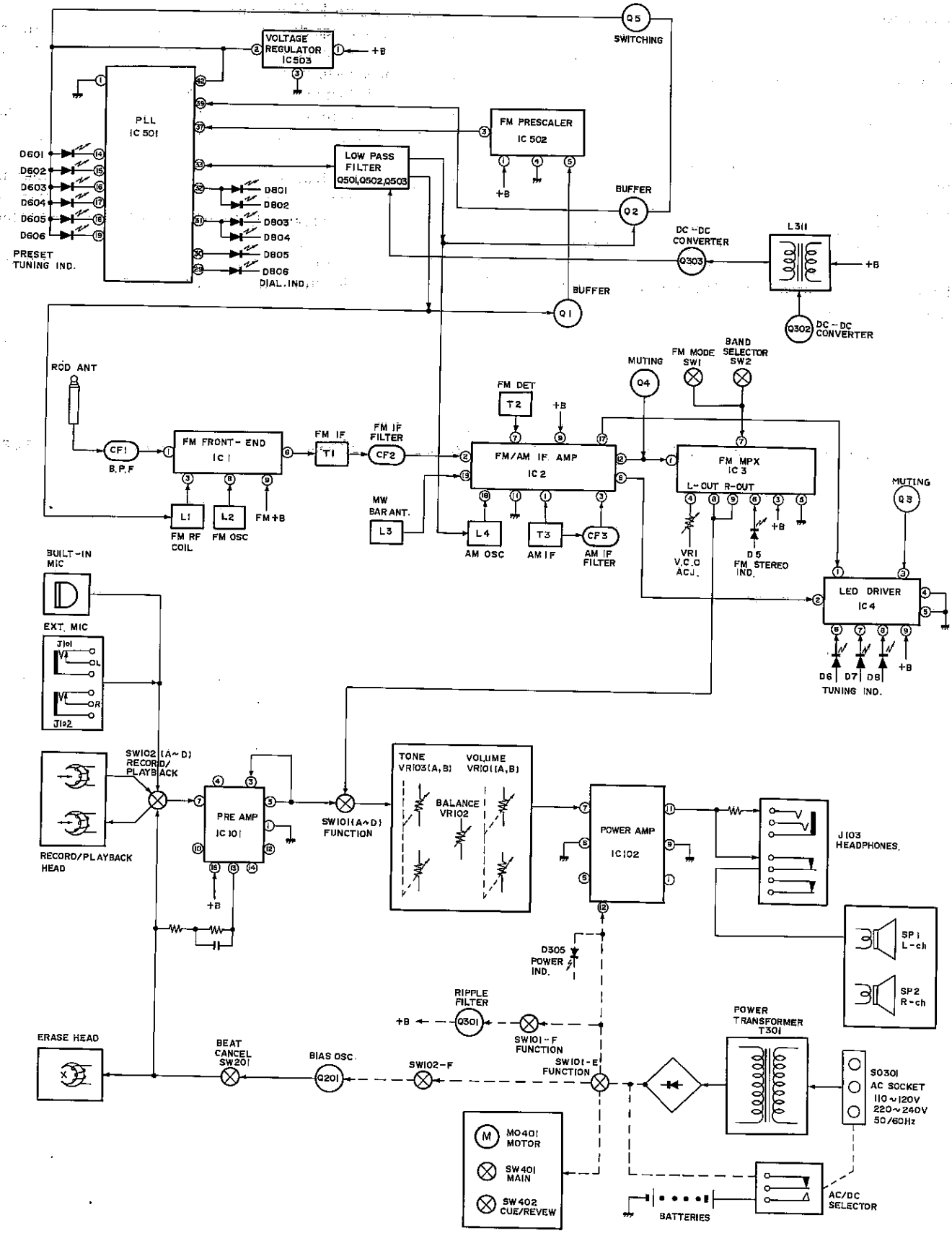


Figure 8 BLOCK DIAGRAM

Ⓔ MECHANICAL ADJUSTMENT

ITEM	USING JIG	ADJUSTMENT POINTS	REMARKS (CHECK)
Driving power	Tape tention megurering cassette TW-2412	—	(More than 150 g)
Torque	Torque meter Play TW-2111 Fast Forward TW-2231 Rewind TW-2231	—	(Play: 30 — 60 g-cm) (Fast Forward: 70 — 130 g-cm) (Rewind: 70 — 130 g-cm)
Azimuth	Test tape MTT-113C	Azimuth adjusting screw	Sine waveform attains the maximum.
Tape speed	Test tape MTT-111	Variable resistor on motor	3,015 ± 25Hz

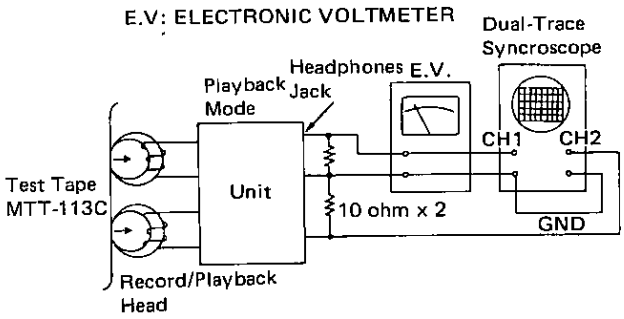


Figure 9–1 AZIMUTH

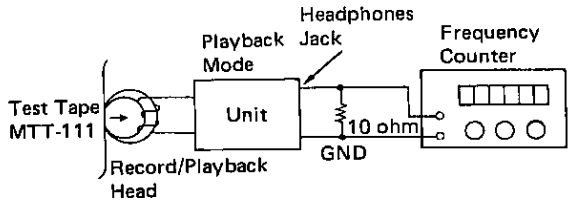


Figure 9–2 TAPE SPEED

Ⓓ MECHANISCHE EINSTELLUNG

BE-NENNUNG	VERWENDETES MESSGERÄT	EINSTELL-PUNKT	BEMERKUNGEN (PRÜFUNG)
Antriebs-kraft	Bandzug-Meßcassette TW-2412	—	(Mehr als 150 g)
Dreh-moment	Drehmoment-messer Wiedergabe: TW-2111 Schnellvorlauf: TW-2231 Rückspulung: TW-2231	—	(Wiedergabe: 30 — 60 g-cm) (Schnellvorlauf: 70 — 130 g-cm) (Rückspulung 70 — 130 g-cm)
Azimut	Testband MTT-113C	Azimuteinstellschraube	Sinuswellenform wird maximal.
Bandgeschwindigkeit	Testband MTT-111	Stellwiderstand am Motor	3 015 ± 25 Hz

Ⓕ RÉGLAGE DE MÉCANISME

ARTICLE	GABARIT	POINTS DE RÉGLAGE	REMARQUES (VÉRIFICATION)
Puissance d'entraînement	Cassette de mesure de tension de la bande TW-2412	—	(Plus de 150 g)
Couple	Compteur de couple Lecture: TW-2111 Avance rapide: TW-2231 Rebobinage: TW-2231	—	(Lecture: 30 à 60 g-cm) (Avance rapide: 70 à 130 g-cm) (Rebobinage: 70 à 130 g-cm)
Azimuth	Bande d'essai MTT-113C	Vis de réglage de l'azimuth	La forme d'onde sinusoïdale atteint le maximum.
Vitesse de la bande	Bande d'essai MTT-111	Résistance variable sur le moteur	3 015 ± 25 Hz

Ⓔ

CIRCUIT ADJUSTMENT (AUDIO SECTION)

SETTING POSITION OF SWITCH AND KNOB	• Volume control: Maximum • Tone control: Center • Balance control: Center • Function selector switch: Tape • Beat cancel switch: A		
ITEM	INPUT	ADJUSTMENT POINT	REMARKS (CHECK)
BIAS OSCILLATION FREQUENCY	———	———	(A = 58 ± 3 kHz) (B = 59 ± 3 kHz) (C = 56 ± 3 kHz)
ERASE CURRENT	———	———	(Normal: 80 mA)
PLAYBACK AMPLIFIER SENSITIVITY	Test tape MTT-118N	———	(1.4 V ± 3 dB)

E.V: ELECTRONIC VOLTMETER

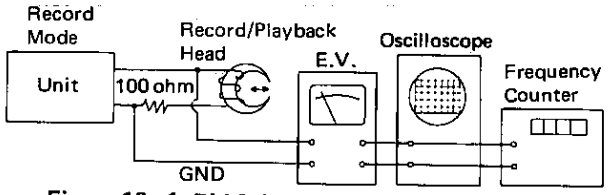


Figure 10–1 BIAS OSCILLATION FREQUENCY

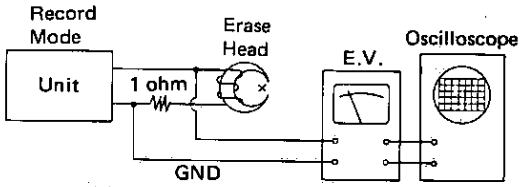


Figure 10–2 ERASE CURRENT

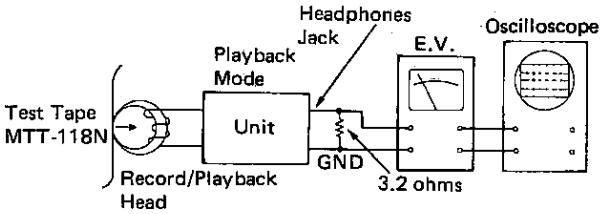


Figure 10–3 PLAYBACK AMPLIFIER SENSITIVITY

CIRCUIT ADJUSTMENT (TUNER SECTION)

AM IF/RF

SIGNAL GENERATOR		400 Hz, 30%, AM modulated			
STEP	TEST STAGE	FREQUENCY	DIAL POINTER SETTING	ADJUSTMENT	REMARKS
MW IF					
1	IF	450 kHz	High frequency	T3, T4	Adjust for best "IF" curve.
MW RF					
2	Band coverage	522 kHz	Lowest frequency	L4	Adjust for maximal output.
3		1,602 kHz	Highest frequency	TC4	
4	Repeat steps 2 and 3 until no further improvement can be made.				
5	Tracking	603 kHz	603 kHz	L3	Adjust for maximal output.
6		1,404 kHz	1,404 kHz	TC3	
7	Repeat steps 5 and 6 until no further improvement can be made.				

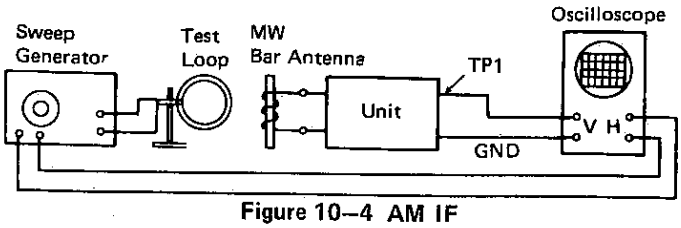


Figure 10–4 AM IF

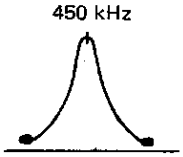


Figure 10–5 AM IF CURVE

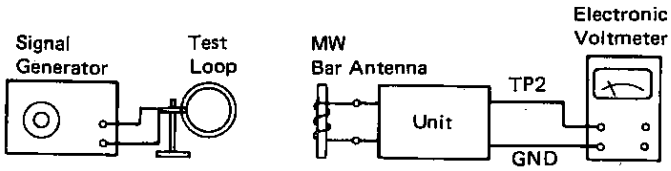


Figure 10–6 MW RF

DC–DC CONVERTOR ADJUSTMENT

SWITCH POSITION	MW
ADJUSTMENT	REMARK
L311	80 ± 3 kHz

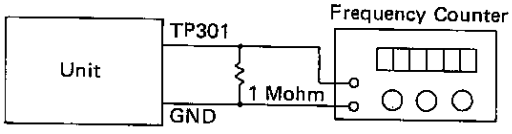


Figure 10–7 DC–DC CONVERTOR

Ⓓ SCHALTUNGSEINSTELLUNG (TONTEIL)

SCHALTER- UND STELLER-EINSTELL-POSITION	• Lautstärkesteller: Maximal • Balancesteller: Mitting • Balancesteller: Mittig • Funktionswahlschalter: Tape (Band) • Schwebungsunterdrückungsschalter: A		
BENENNUNG	EINGANG	EIN-STELL-PUNKT	BEMERKUNGEN (PRÜFUNG)
VORMAGNETI-SIERUNGS-SCHWING-FREQUENZ	———	———	(A = 58 ± 3 kHz) (B = 59 ± 3 kHz) (C = 56 ± 3 kHz)
LÖSCHSTROM	———	———	(Normalband: 80 mA)
WIEDERGABE-VER-STÄRKER-EMPFIND-LICHKEIT	Testband MTT-118N	———	(1,4 V ± 3 dB)

Ⓕ RÉGLAGE DU CIRCUIT (SECTION DU AUDIO)

RÉGLAGE DE LA POSITION DES COMMUTA-TEURS ET BOUTONS	• Commande de volume: Maximum • Commande d'équilibrage: Centre • Commande d'équilibrage: Centre • Commutateur de sélection de fonction: Bande • Commutateur de suppression de battement: A		
ARTICLE	ENTRÉE	POINT DE RÈGLAGE	REMARQUES (VÉRIFICATION)
FRÉQUENCE DE L'OSCILLA-TION DE POLARISATION	———	———	(A = 58 ± 3 kHz) (B = 59 ± 3 kHz) (C = 56 ± 3 kHz)
COURANT D'EFFACE-MENT	———	———	(Normal: 80 mA)
SENSIBILITÉ DE L'AMPLI-FICATEUR DE LECTURE	Bande d'essai MTT-118N	———	(1,4 V ± 3 dB)

SCHALTUNGSEINSTELLUNG (TUNERTEIL)

AM-ZF/HF EINSTELLUNG

SIGNAL-GENERATOR		400 Hz, 30%, AM-Modulation			
SCH-RITT	PRÜF-STUFE	FRE-QUENZ	SKALEN-ZEIGEREIN-STELLUNG	EIN-STEL-LUNG	BEMER-KUNGEN
MW ZF					
1	ZF	450 kHz	Hoch-frequenz	T3, T4	Auf beste ZF-Kurve einstellen.
MW HF					
2	Fre-quenz-bereich	522 kHz	Unterste Frequenz	L4	Auf maximalen Ausgang einstellen.
3		1 602 kHz	Höchste Frequenz	TC4	
4	Die Schritte 2 und 3 wiederholen, bis keine weitere Verbesserung möglich ist.				
5	Gleich-lauf	603 kHz	603 kHz	L3	Auf maximalen Ausgang einstellen.
6		1 404 kHz	1 404 kHz	TC3	
7	Die Schritte 5 und 6 wiederholen, bis keine weitere Verbesserung möglich ist.				

GLEICHSTROM-GLEICHSTROM-UMFORMER-EMPFINDLICHKEIT

SCHALTERSTELLUNG	MW
EINSTELLUNG	BEMERKUNGEN
L311	80 ± 3 kHz

RÉGLAGE DU CIRCUIT (SECTION DU TUNER)

RÉGLAGE DE FI/RF AM

GÉNÉRATEUR DE SIGNAUX		400 Hz, 30%, modulé AM			
ÉTAPE	ÉTAGE D'ESSAI	FRÉ-QUENCE	MISE AU POINT DE L'INDEX	RÉ GLAGE	REMARQUES
FI PO					
1	FI	450 kHz	Haute fréquence	T3, T4	Régler sur la meilleure courbe "FI".
RF PO					
2	Étendur de gamme d'ondes	522 kHz	Fréquence la plus basse	L4	Régler sur la sortie maximale.
3		1 602 kHz	Fréquence la plus élevée	TC4	
4	Refaire les étape 2 et 3 jusqu'à ce qu'une amélioration ultérieure ne puisse plus être obtenue.				
5	Aligne-ment	603 kHz	603 kHz	L3	Régler sur la sortie maximale.
6		1 404 kHz	1 404 kHz	TC3	
7	Refaire les étapes 5 et 6 jusqu'à ce qu'une amélioration ultérieure ne puisse plus être obtenue.				

SENSIBILITÉ DE CONVERTISSEUR CC–CC

POSITION DU COMMUTATEUR	MW
RÈGLAGE	REMARQUES
L311	80 ± 3 kHz

Ⓔ

FM IF/RF ADJUSTMENT

SWITCH POSITION	Function Selector: Radio Band Selector: FM Volume Control: Maximum FM Mode: Mono
SIGNAL GENERATOR	400 Hz, 30%, FM modulated.

STEP	TEST STAGE	FRE-QUENCY	DIAL POINTER SETTING	AD-JUST-MENT	REMARKS
1	IF	10.7 MHz	High frequency	T1	1. Using a minus driver, turn the core of T2 counter-clockwise before taking it out of the bobbin. 2. Adjust for best "IF" curve.
2	Detection			T2	Adjust for best "S" curve.
3	Repeat steps 1 and 2 until no further improvement can be made.				
4	Band coverage	87.5 MHz	Lowest frequency	L2	Adjust for maximal output.
5		108 MHz	Highest frequency	TC2	
6	Repeat steps 4 and 5 until no further imporvement can be made.				
7	Tracking	87.5 MHz	87.5 MHz	L1	Adjust for maximal output.
8		108 MHz	108 MHz	TC1	
9	Repeat steps 7 and 8 until no further improvement can be made.				

VCO FREQUENCY ADJUSTMENT

SIGNAL GENERA-TOR	400 Hz, 30%, FM modulated (mono signal)

FREQUENCY	DIAL POINTER SETTING	AD-JUST-MENT	REMARKS
FM mono position		FM stereo position (unmodulated)	
98 MHz at 54 dB	98 MHz	VR1	Adjust for 38.00 kHz ± 100 Hz.

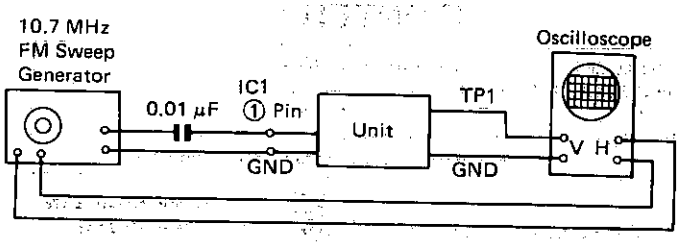


Figure 12–1 FM IF

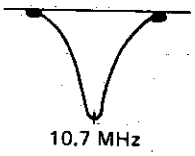


Figure 12–2 FM IF CURVE

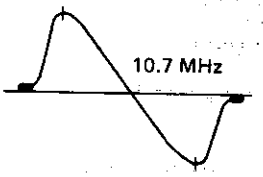


Figure 12–3 FM S CURVE

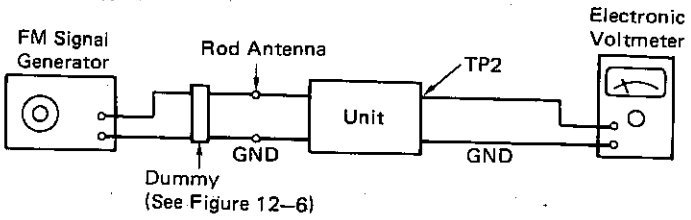


Figure 12–4 FM RF

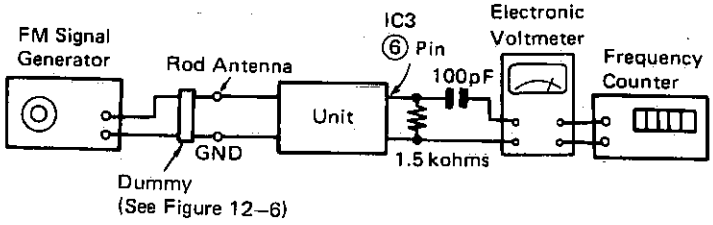


Figure 12–5 VCO FREQUENCY

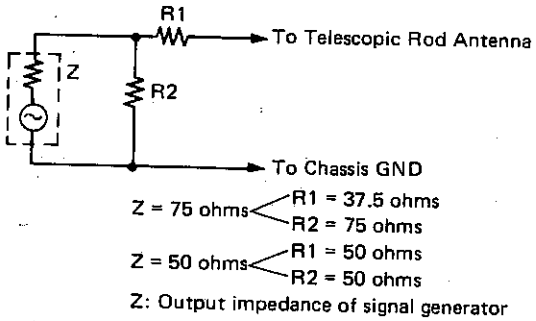


Figure 12–6 FM DUMMY

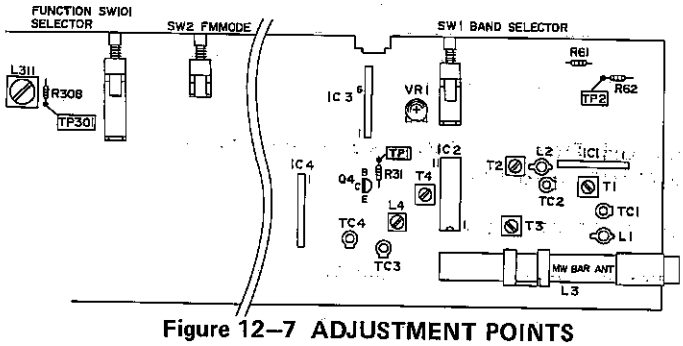


Figure 12–7 ADJUSTMENT POINTS

Ⓓ

UKW-ZF/HF-EINSTELLUNG

SCHALTER-STELLUNG	Funktionswahlschalter: Radio-teil Wellenbereichswahlschalter: UKW Lautstärkesteller Maximal UKW-Betriebsartenschalter: FM Mono
SIGNAL-GENERATOR	400 Hz, 30%, UKW-Modulation

SCHRITT	PRÜFSTUFE	FREQUENZ	SKALEN-ZEIGEREIN-STELLUNG	EIN-STELLUNG	BEMERKUNGEN
1	ZF	10,7 MHz	Hoch-frequenz	T1	1. Den Kern von T2 mit Hilfe eines normalen Schrauben-ziehers entgegen dem Uhrzeigersinn drehen, bevor dieser aus der Spule ge-nommen wird. 2. Auf beste ZF-Kurve einstellen.
2	Detek-tion			T2	Auf beste S-Kurve einstellen
3	Die Schritte 1 und 2 wiederholen, bis keine weitere Verbesserung möglich ist.				
4	Fre-quenz-bereich	87,5 MHz	Unterste Frequenz	L2	Auf maximalen Ausgang einstellen.
5		108 MHz	Höchste Frequenz	TC2	
6	Die Schritte 4 und 5 wiederholen, bis weitere Verbesserung möglich it.				
7	Gleich-lauf	87,5 MHz	87,5 MHz	L1	Auf maximalen Ausgang einstellen.
8		108 MHz	108 MHz	TC1	
9	Die Schritte 7 und 8 wiederholen, bis keine weitere Verbesserung möglich ist.				

EINSTELLUNG DER VCO-FREQUENZ

SIGNAL-GENERATOR	400 Hz, 30%, UKW-Modulation (Mono-Signal)

FREQUENZ	SKALEN-ZEIGEREIN-STELLUNG	EIN-STELLUNG	BEMERKUNGEN
"FM mono" einstellen		"FM stero" einstellen (unmoduliert)	
98 MHz bei 54 dB	98 MHz	VR1	Auf 38,00 kHz ± 100 Hz einstellen.

Ⓕ

RÉGLAGE DE FI/RF FM

POSITION DU COMMUTATEUR	Commutateur de sélection de fonction: Radio Sélecteur de gammes d'ondes: FM Commande de volume: Maximum Commutateur de mode FM: FM mono
GÉNÉRATEUR DE SIGNAUX	400 Hz, 30%, modulé FM

ÉTAPE	ÉTAGE D'ESSAI	FRÉQUENCE	MISE AU POINT DE L'INDEX	RÉGLAGE	REMARQUES
1	FI	10,7 MHz	Haute fréquence	T1	1. À l'aide d'un tournevis plat, tourner le noyau de T2 à gauche avant de le sortir de la bobine. 2. Régler sur la meilleure courbe "FI".
2	Détec-tion			T2	Régler sur la meilleure courbe "S".
3	Refaire les étapes 1 et 2 jusqu'à ce qu'une amélioration ultérieure ne puisse plus être obtenue.				
4	Étendur de gamme d'ondes	87,5 MHz	Fréquence la plus basse	L2	Régler sur la sortie maximale.
5		108 MHz	Fréquence la plus élevée	TC2	
6	Refaire les étapes 4 et 5 jusqu'à ce qu'une amélioration ultérieure ne puisse plus être obtenue.				
7	Aligne-ment	87,5 MHz	87,5 MHz	L1	Régler sur la sortie maximale.
8		108 MHz	108 MHz	TC1	
9	Refaire les étapes 7 et 8 jusqu'à ce qu'une amélioration ultérieure ne puisse plus être obtenue.				

RÉGLAGE DE LA FRÉQUENCE VCO

GÉNÉRATEUR DE SIGNAUX	400 Hz, 30%, modulé FM (mono signal)

FREQUENCE	MISE AU POINT DE L'INDEX	RÈGLAGE	REMARQUES
Position FM mono		Position FM stéréo (non modulés)	
98 MHz à 54 dB	98 MHz	VR1	Réglage sur 38,00 kHz ± 100 Hz.

Ⓔ

NOTES ON SCHEMATIC DIAGRAM

- Resistor:
  To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor.
- Capacitor:
  To indicate the unit of capacitor, a symbol P is used: this symbol P means micro-micro-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression "capacitance/withstand voltage" is used.
  (CH), (RH), (TH), (UJ): Temperature compensation
  (ML): Mylar type
  (P.P.): Polypropylene type
- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.
  ( ): MW mode
  Marking except for ( ): FM mode
- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.
- Parts marked with "⚠" ( ) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

Ⓓ

ANMERKUNGEN ZUN SCHEMATISCHEN SCHALTPLAN

- Widerstände:
  Um die Einheiten der Widerstände unter-scheiden zu können, werden Symbole wie K und M benutzt. Das Symbol K bedeutet 1000 Ohm und das Symbol M 1000 Kilo-ohm: Bei Widerständen ohne Symbol handelt es sich um ohmsche Widerstände.
- Kondensatoren:
  Zum Bezeichnen der Kondensatoreinheit wird das Symbol P benutzt; dieses Symbol P bedeutet Nanofard. Die Einheit eines Kondensators ohne Symbol ist Mikrofarad. Für Elektrolytkondensatoren wird die Be-zeichnung "Kapazität / Stehspannung" benutzt.
  (CH), (RH), (TH), (UJ): Temperaturkompensation
  (ML): Mylarkondensator
  (P.P.): Polypropylentyp
- Die in den einzelnen Teilen angegebenen Spannungen werden mit einem Digitalvielfachmeßgerät zwischen dem betreffen den Teil und dem Chassis ohne Signalzuleitung gemessen.
  ( ): MW-Betriebsart
  Anzeichnen, außer ( ): UKW-Betriebsart
- Änderungen des schematischen Schaltplans und der Verdrahtungsseite der Leiterplatte für dieses Modell im Sinne von Verbesserungen jederzeit vorbehalten.
- Die mit ⚠ ( ) bezeichneten Teile sind besonders wichtig für die Aufrechterhaltung der Sicherheit. Beim Wechseln dieser Teile sollten die vorgeschriebenen Teile immer verwendet werden, um sowohl die Sicherheit als auch die Leistung des Gerätes aufrechtzuerhalten.

Ⓕ

REMARQUES CONCERNANT LE DIAGRAMME SCHÉMATIQUE

- Résistance:
  Pour différencier les unités de résistances, on utilise des symbole tels que K et M: le symbole K signifie 1000 ohms, le symbole M 1000 Kohms, et la résistance donnée sans symbole est une résistance de type ohm.
- Condensateur:
  Pour indiquer l'unité de condensateur, on utilise le symbole P; ce symbole P signifie micro-microfarad, et l'unité de condensateur donnée sans ce symbole est le microfarad. En ce qui concerne le condensateur électrolytique, on utilise l'expression "tension de régime/capacité"
  (CH), (RH), (TH), (UJ): Compensation de température
  (ML): Condensateur Mylar
  (P.P.): Type polypropylène
- La tension indiquée dans chaque section est celle mesurée par un multimètre numérique entre la section en question et le châssis, en l'absence de tout signal.
  ( ): Mode PO
  Marque, à l'exception de ( ): Mode FM
- Le diagramme schématique et le côté câblage de la PMI de ce modèle sont sujets à modifications sans préavis pour l'amélioration de ce produit.
- Les pièces portant la marque ⚠ ( ) sont particulièrement importantes pour le maintien de la sécurité. S'assurer de les remplacer par des pièces du numéro de pièce spécifié pour maintenir la sécurité et la performance de l'appareil.

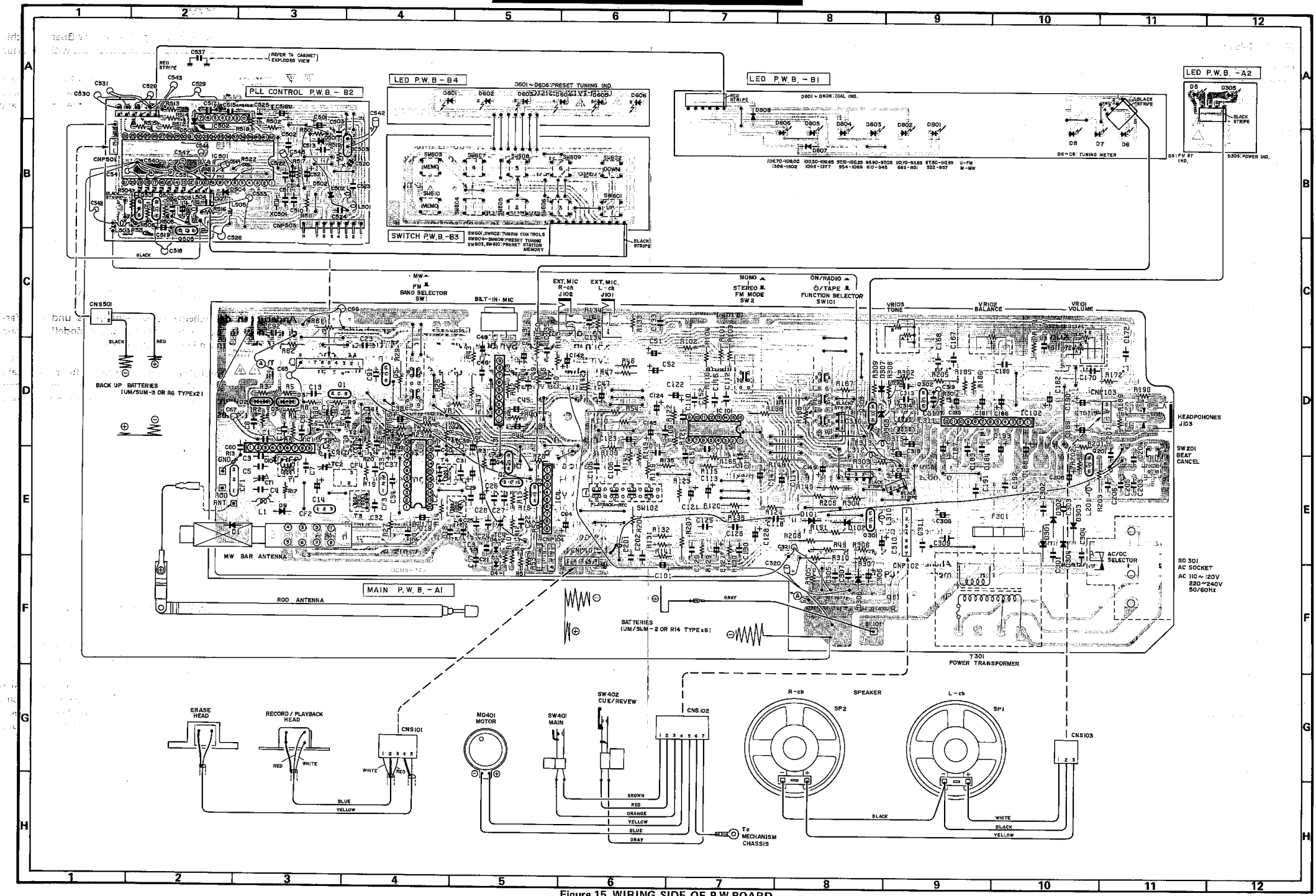
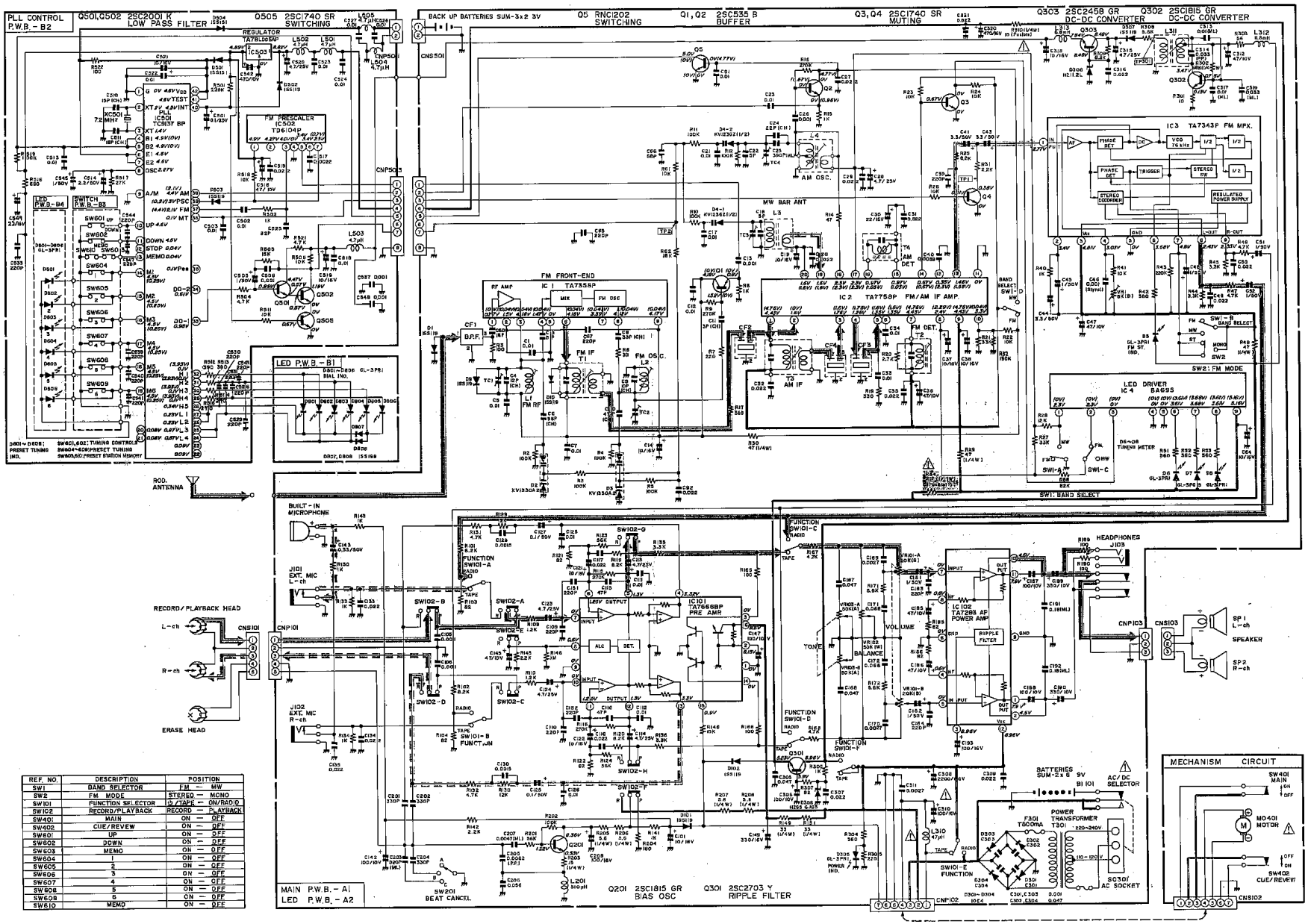


Figure 15 WIRING SIDE OF P.W.BOARD

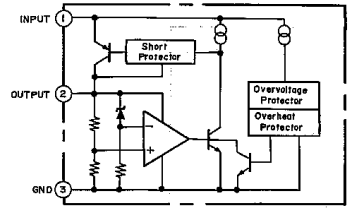


REF. NO.	DESCRIPTION	POSITION
SW1	BAND SELECTOR	FM — MW
SW2	FM MODE	STEREO — MONO
SW101	FUNCTION SELECTOR	D.TAPE — ON/RADIO
SW102	RECORD/PLAYBACK	RECORD — PLAYBACK
SW401	MAIN	ON — OFF
SW402	CUE/REVIEW	ON — OFF
SW601	UP	ON — OFF
SW602	DOWN	ON — OFF
SW603	MEMO	ON — OFF
SW604	1	ON — OFF
SW605	2	ON — OFF
SW606	3	ON — OFF
SW607	4	ON — OFF
SW608	5	ON — OFF
SW609	6	ON — OFF
SW610	MEMO	ON — OFF

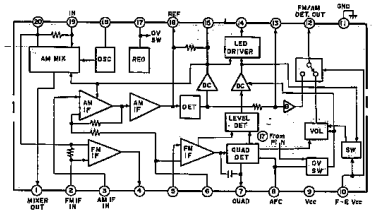
- NOTES ON SCHEMATIC DIAGRAM can be found on page 14.
- ANMERKUNGEN ZUM SCHEMATISCHEN SCHALTPLAN stehen auf Seite 14.
- REMARQUES CONCERNANT LE DIAGRAMME SCHEMATIQUE sont indiquées à la page 14.

FM Signal
AM Signal
+B
Tape Signal
Record Signal
Mic Signal

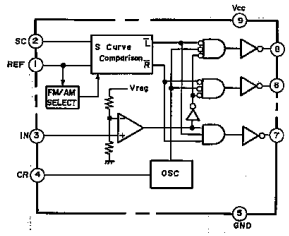
TA78L005AP



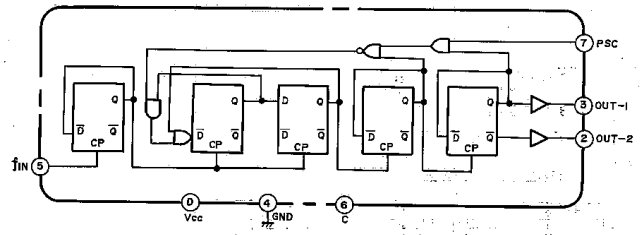
TA7758P



BA695



TD6104P



TC9137BP

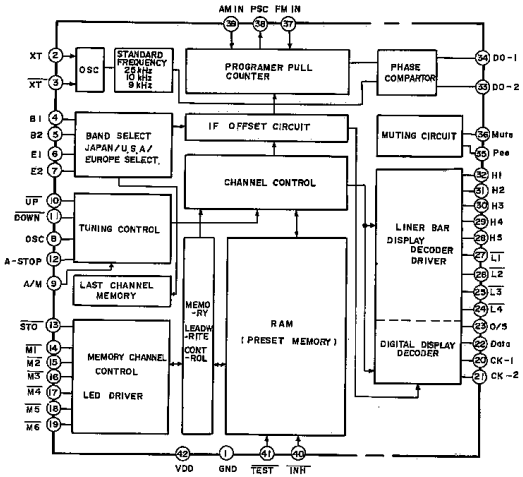
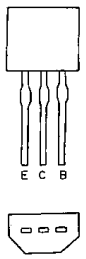


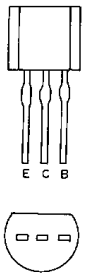
Figure 19–1 EQUIVALENT CIRCUIT (BLOCK-DIAGRAM) OF IC

2SC535 B

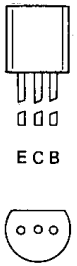
2SC2458 GR
2SC1740 SR



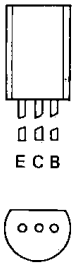
2SC2001 K



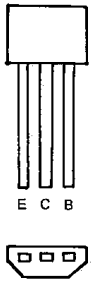
2SC1815 GR



2SC2703 Y



RNC1201



GL-3PR1 (RED)
GL-3PG5 (GREEN)

1: ANODE
2: CATHODE

Figure 19–2 TYPES OF TRANSISTOR AND LED

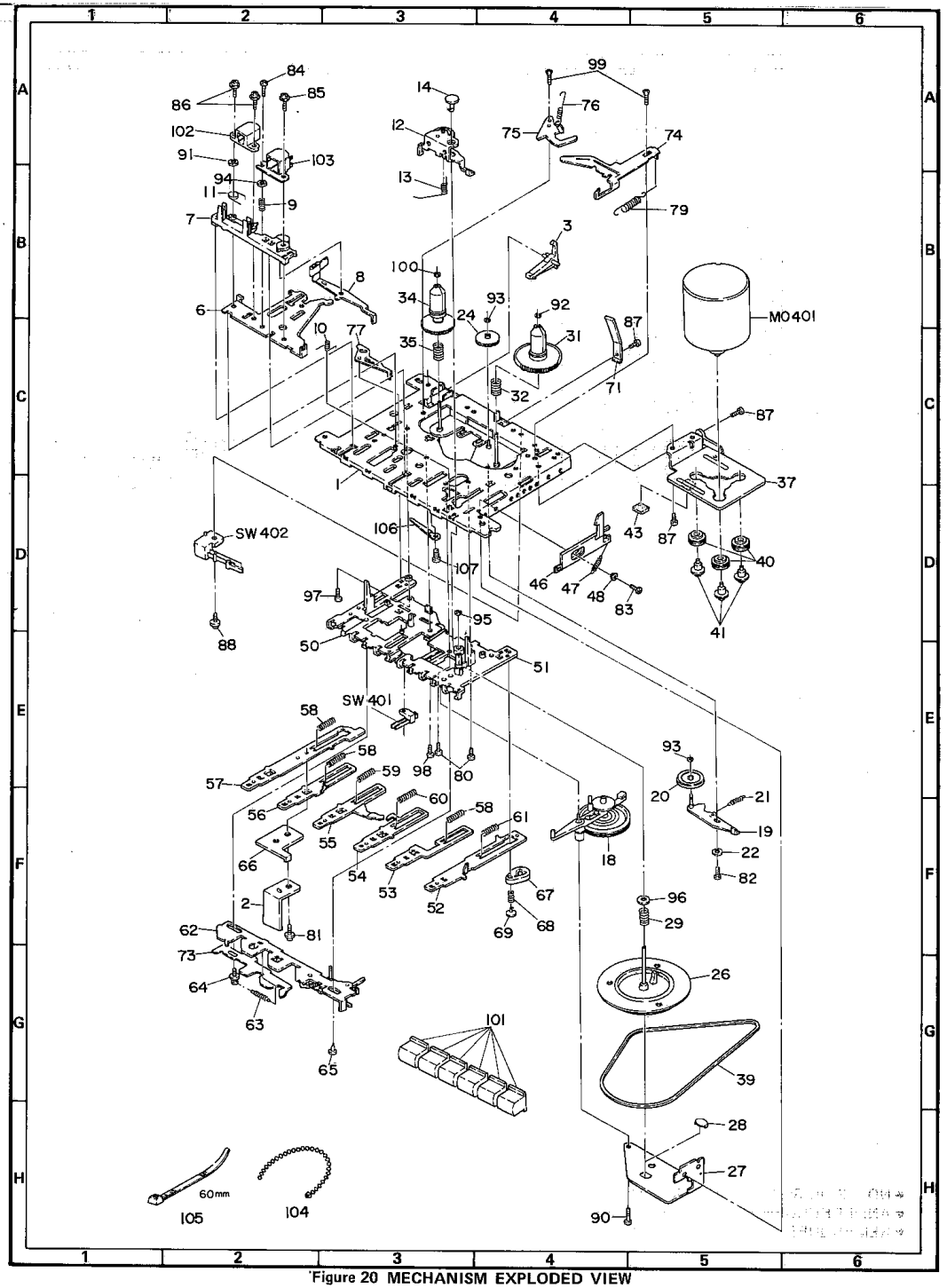


Figure 20 MECHANISM EXPLODED VIEW

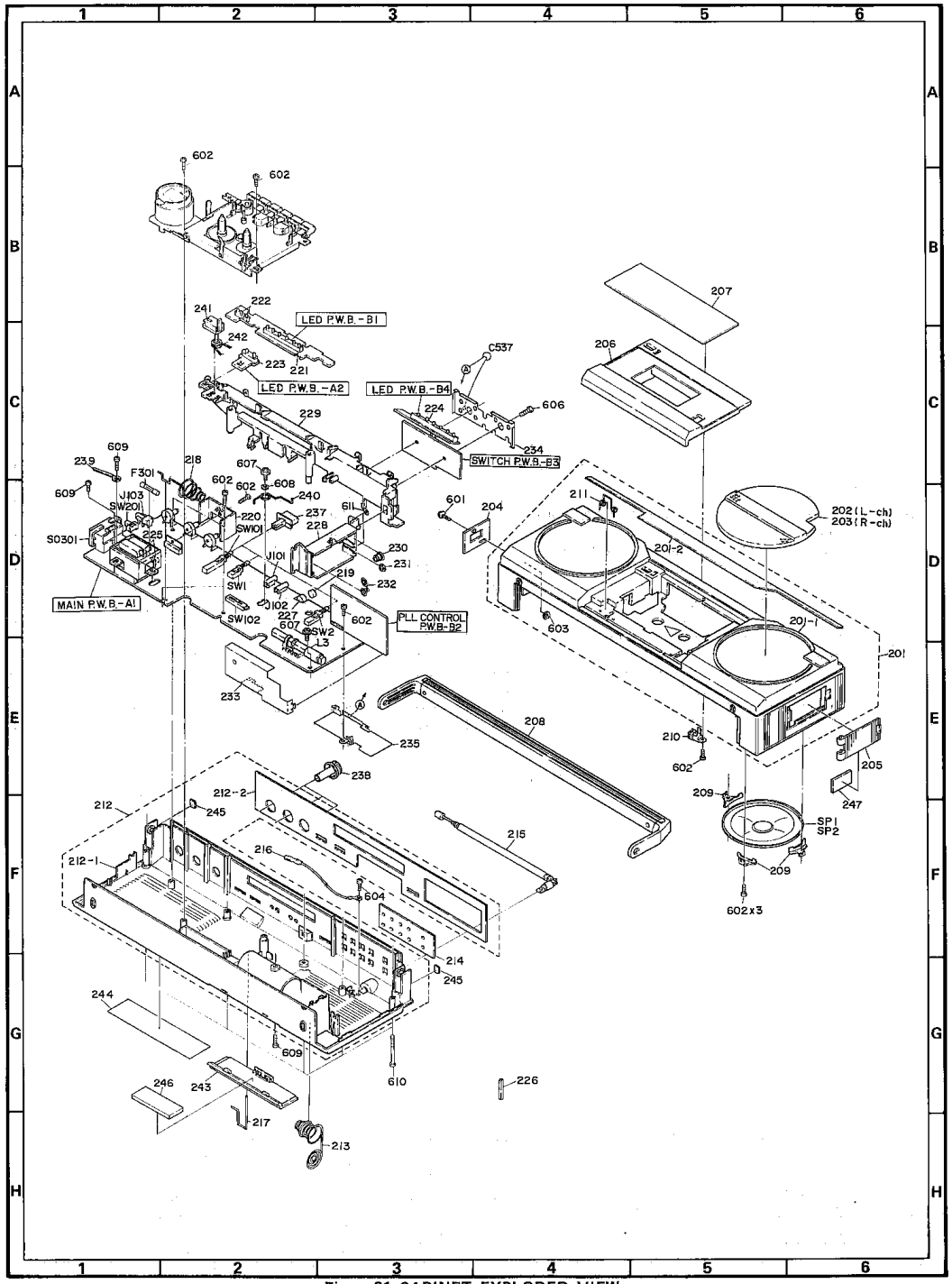


Figure 21 CABINET EXPLODED VIEW

(E) REPLACEMENT PARTS LIST

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following information.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION

NOTE:
Parts marked with "△" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

(D) ERSATZTEILLISTE

"BESTELLEN VON ERSATZTEILEN"

Um Ihren Auftrag schnell und richtig ausfuhren zu können, bitten wir um die folgenden Angaben.

1. MODELLNUMMER
2. REF. NR.
3. TEIL NR.
4. BESCHREIBUNG

ANMERKUNGEN:
Die mit △ bezeichneten Teile sind besonders wichtig für die Aufrechterhaltung der Sicherheit. Beim Wechseln dieser Teile sollten die vorgeschriebenen Teile immer verwendet werden, um sowohl die Sicherheit als auch die Leistung des Gerätes aufrechtzuerhalten.

(F) LISTE DES PIÈCES DE RECHANGE

"COMMENT COMMANDER DES PIÈCES DE RECHANGE"

Pour voir votre commande exécutée de manière rapide et correcte, veuillez fournir les renseignements suivants.

1. NUMÉRO DU MODÈLE
2. N° DE RÉFÉRENCE
3. N° DE LA PIÈCE
4. DESCRIPTION

NOTE:
Les pièces portant la marque △ sont particulièrement importantes pour le maintien de la securité. S'assurer de les remplacer par des pièces du numéro de pièce spécifié pour maintenir la sécurité et la performance de l'appareil.

REF.NO.	PART NO.	DESCRIPTION	CODE
	INTEGRATED CIRCUITS		
IC1	VHiTA7358P/-1	FM Front End, TA7358P	AF
IC2	VHiTA7758P/-1	FM/AM IF Amp., TA7758P	AK
IC3	VHiTA7343P/-1	FM Multiplex, TA7343P	AG
IC4	VHiBA695///-1	LED Driver, BA695	AH
IC101	VHiTA7668BP-1	Pre Amp., TA7668BP	AK
IC102	VHiTA7283AP-1	Power Amp., TA7283AP	AK
IC501	VHiTC9137BP-1	PLL Circuit, TC9137BP	AV
IC502	VHiTD6104P/-1	FM Prescaler, TD6104P	AK
IC503	VHiTA78L005AP	Regulator, TA78L005AP	AF
	TRANSISTORS		
Q1	VS2SC535-B/-1	Silicon, NPN, 2SC535 B	AB
Q2	VS2SC535-B/-1	Silicon, NPN, 2SC535 B	AB
Q3	VS2SC1740SR-1	Silicon, NPN, 2SC1740 SR	AB
Q4	VS2SC1740SR-1	Silicon, NPN, 2SC1740 SR	AB
Q5	VSRNC1202//-1	Silicon, NPN, RNC1202	AC
Q201	VS2SC1815GR-1	Silicon, NPN, 2SC1815 GR	AB
Q301	VS2SC2703-Y-1	Silicon, NPN, 2SC2703 Y	AC
Q302	VS2SC1815GR-1	Silicon, NPN, 2SC1815 GR	AB
Q303	VS2SC2458GR-A	Silicon, NPN, 2SC2458 GR	AB
Q501	VS2SC2001-K-1	Silicon, NPN, 2SC2001 K	AB
Q502	VS2SC2001-K-1	Silicon, NPN, 2SC2001 K	AB
Q505	VS2SC1740SR-1	Silicon, NPN, 2SC1740 SR	AB
	DIODES		
D1	VHD1SS119//-1	Silicon, 1SS119	AA
D2	VHCKV1330A2-1	Silicon, KV1330A2	AK
D3	VHCKV1330A2-1	Silicon, KV1330A2	AK
D4(1,2)	VHCKV1236Z13F	Silicon, KV1236Z	AL
D5	VHPGL3PR1//-1	LED, Red, GL-3PR1	AC
D6	VHPGL3PR1//-1	LED, Red, GL-3PR1	AC
D7	VHPGL3PG5//-1	LED, Green, GL-3PG5	AB
D8	VHPGL3PR1//-1	LED, Red, GL-3PR1	AC
D9	VHD1SS119//-1	Silicon, 1SS119	AA
D10	VHD1SS119//-1	Silicon, 1SS119	AA
D101	VHD1SS119//-1	Silicon, 1SS119	AA
D102	VHD1SS119//-1	Silicon, 1SS119	AA
△D301	VHD10E-4///-1	Silicon, 10E4	AB
△D302	VHD10E-4///-1	Silicon, 10E4	AB
△D303	VHD10E-4///-1	Silicon, 10E4	AB
△D304	VHD10E-4///-1	Silicon, 10E4	AB
D305	VHPGL3PR1//-1	LED, Red, GL-3PR1	AC
D306	VHEHZS5R6JB31	Zener, 5.6V, HzS5.6JB3	AB
D307	VHD1SS119//-1	Silicon, 1SS119	AA
D308	VHEHZ11B2L/-1	Zener, 10.6V, Hz11.2L	AB
D501	VHD1SS151//-1	Silicon, 1SS151	AC
D502	VHD1SS119//-1	Silicon, 1SS119	AA
D503	VHD1SS119//-1	Silicon, 1SS119	AA
D504	VHD1SS151//-1	Silicon, 1SS151	AC
D601	VHPGL3PR1//-1	LED, Red, GL-3PR1	AC
D602	VHPGL3PR1//-1	LED, Red, GL-3PR1	AC
D603	VHPGL3PR1//-1	LED, Red, GL-3PR1	AC
D604	VHPGL3PR1//-1	LED, Red, GL-3PR1	AC
D605	VHPGL3PR1//-1	LED, Red, GL-3PR1	AC
D606	VHPGL3PR1//-1	LED, Red, GL-3PR1	AC
D801	VHPGL3PR1//-1	LED, Red, GL-3PR1	AC
D802	VHPGL3PR1//-1	LED, Red, GL-3PR1	AC
D803	VHPGL3PR1//-1	LED, Red, GL-3PR1	AC
D804	VHPGL3PR1//-1	LED, Red, GL-3PR1	AC
D805	VHPGL3PR1//-1	LED, Red, GL-3PR1	AC
D806	VHPGL3PR1//-1	LED, Red, GL-3PR1	AC
D807	VHD1SS119//-1	Silicon, 1SS119	AA
D808	VHD1SS119//-1	Silicon, 1SS119	AA
	COILS		
L1	RCiLB0672AFZZ	FM RF	AC
L2	RCiLB0672AFZZ	FM OSC.	AC
L3	RCiLA0791AFZZ	Bar Antenna	AH
L4	RCiLB0795AFZZ	AM OSC.	AC
L201	RCiLC0085AFZZ	Choke, 510 μH	AC
△L310	RCiLF0014AGZZ	Choke, 47 μH	AC
L311	RCiLB0793AFZZ	DC-DC Converter	AD
L312	RCiLC0092AFZZ	Choke, 6.8 mH	AC
L313	RCiLC0092AFZZ	Choke, 6.8 mH	AC
L501	VP-CH4R7K0000	Choke, 4.7 mH	AB
L502	VP-CH4R7K0000	Choke, 4.7 mH	AB
L503	VP-CH4R7K0000	Choke, 4.7 mH	AB
L504	VP-CH4R7K0000	Choke, 4.7 mH	AB
L505	VP-CH4R7K0000	Choke, 4.7 mH	AB
	TRANSFORMERS		
T1	RCiLi0324AFZZ	FM IF	AC
T2	RCiLi0312AFZZ	FM Detector	AC
T3	RCiLi0355AFZZ	AM IF	AC
T4	RCiLi0356AFZZ	AM Detector	AC
△T301	RTRNP1029AFZZ	Power	AR

REF.NO.	PART NO.	DESCRIPTION	CODE
		FILTERS	
CF1	RFiLF0119AFZZ	FM Band Pass Filter	AD
CF2	RFiLF0079AFZZ	Ceramic, FM IF, 10.7 MHz	AF
CF3	RFiLF0079AFZZ	Ceramic, FM IF, 10.7 MHz	AF
CF4	RFiLA0103AFZZ	Ceramic, AM IF, 455 kHz	AG
		CONTROLS	
TC1	RTō-H1107AFZZ	Trimmer	AB
TC2	RTō-H1107AFZZ	Trimmer	AB
TC3	RTō-H1107AFZZ	Trimmer	AB
TC4	RTō-H1107AFZZ	Trimmer	AB
VR1	RVR-M0390AFZZ	5 kohms(B)	AB
VR101	RVR-B0309AFZZ	20 kohms (B) × 2	AG
VR102	RVR-Z0204AFZZ	50 kohms(W)	AH
VR103	RVR-A0198AFZZ	50 kohms (A) × 2	AE
		CRYSTAL	
XL501	RCRSB0098AFZZ	7.2 MHz, PLL	AK
		ELECTROLYTIC CAPACITORS	
		(All electrolytic capacitors are ±20% type.)	
C14	RC-EZA106AF1C	10 μF, 16V	AB
C19	RC-EZA106AF1C	10 μF, 16V	AB
C28	RC-EZV475AF1E	4.7 μF, 25V	AB
C30	RC-EZA226AF1C	22 μF, 16V	AG
C36	RC-EZA476AF1A	47 μF, 10V	AB
C37	RC-EZA106AF1C	10 μF, 16V	AB
C38	RC-EZA106AF1C	10 μF, 16V	AB
C41	RC-EZV335AF1H	3.3 μF, 50V	AB
C43	RC-EZA335AF1H	3.3 μF, 50V	AB
C44	RC-EZA335AF1H	3.3 μF, 50V	AB
C45	RC-EZA105AF1H	1 μF, 50V	AB
C47	RC-EZA476AF1A	47 μF, 10V	AB
C48	RC-EZA105AF1H	1 μF, 50V	AB
C51	RC-EZA105AF1H	1 μF, 50V	AB
C52	RC-EZA105AF1H	1 μF, 50V	AB
C64	RC-EZA106AF1C	10 μF, 16V	AB
C101	RC-EZA106AF1C	10 μF, 16V	AB
C113	RC-EZA475AF1E	4.7 μF, 25V	AB
C114	RC-EZA475AF1E	4.7 μF, 25V	AB
C121	RC-EZY106AF1C	10 μF, 16V	AB
C122	RC-EZY106AF1C	10 μF, 16V	AB
C123	RC-EZY475AF1E	4.7 μF, 25V	AB
C124	RC-EZY475AF1E	4.7 μF, 25V	AB
C127	RC-EZA104AF1H	0.1 μF, 50V	AB
C128	RC-EZA104AF1H	0.1 μF, 50V	AB
C142	RC-EZA107AF1A	100 μF, 10V	AB
C143	RC-EZA334AF1H	0.33 μF, 50V	AB
C145	RC-EZY476AF1A	47 μF, 10V	AB
C147	RC-EZA107AF1A	100 μF, 10V	AB
C149	RC-EZV337AF1C	330 μF, 16V	AC
C181	RC-EZA105AF1H	1 μF, 50V	AB
C182	RC-EZA105AF1H	1 μF, 50V	AB
C185	RC-EZA476AF1A	47 μF, 10V	AB
C186	RC-EZA476AF1A	47 μF, 10V	AB
C187	RC-EZA107AF1A	100 μF, 10V	AB
C188	RC-EZA107AF1A	100 μF, 10V	AB
C189	RC-GZA337AF1A	330 μF, 10V	AB
C190	RC-GZA337AF1A	330 μF, 10V	AB
C193	RC-EZA107AF1C	100 μF, 16V	AB
C208	RC-EZV107AF1C	100 μF, 16V	AB
C306	RC-EZA107AF1A	100 μF, 10V	AB
C308	RC-GZV228AF1C	2200 μF, 16V	AG
⚠C310	RC-EZA107AF1C	100 μF, 16V	AB
C312	RC-EZA476AF1A	47 μF, 10V	AB
C315	RC-EZA475AF1E	4.7 μF, 25V	AB
C318	RC-EZA106AF1C	10 μF, 16V	AB
C320	RC-GZS477AF1C	470 μF, 16V	AC
C501	RC-EZY104AF1H	0.1 μF, 50V	AB
C505	RC-EZY105AF1H	1 μF, 50V	AB
C514	RC-EZY225AF1H	2.2 μF, 50V	AB
C516	RC-EZY476AF1A	47 μF, 10V	AB
C519	RC-EZY106AF1C	10 μF, 10V	AB
C520	RC-EZY475AF1E	4.7 μF, 25V	AB
C521	RC-EZY106AF1C	10 μF, 16V	AB
C542	RC-GZS477AF1A	470 μF, 10V	AC
C545	RC-EZY105AF1H	1 μF, 50V	AB
C549	RC-EZV226AF1C	22 μF, 16V	AB

CAPACITORS

There are two types of capacitors available and they can be identified from each other by reading their Part Numbers.

- Ceramic type capacitor;
  A symbol "C" or "K" is given at the 3rd digit of its Part Number like "VCC (or K)●●●●●●J."
- Semiconductor type capacitor;
  A symbol "T" is given at the 3rd digit of its Part Number like "VCT●●●●●●J."

The capacitance error of each capacitor is indicated by the symbol given at the 13th digit of the Part Number as follows: "J" (±5%), "K" (±10%), "M" (±20%), "N" (±30%), "C" (±0.25 pF), "D" (±0.5 pF), "Z" (+80−20%).

C1	VCTYPA1EX103M	0.01 μF, 25V	AA
C3	VCCSPV1HL5R0C	5 pF, 50V	AA
C4	VCCCPV1HH120J	12 pF(CH), 50V	AA
C5	VCTYPA1EX103M	0.01 μF, 25V	AA
C6	VCCCPV1HH560J	56 pF(CH), 50V	AA
C7	VCTYPA1EX103M	0.01 μF, 25V	AA
C8	VCCCPV1HH330J	33 pF(CH), 50V	AA
C9	VCCCPV1HH100J	10 pF(CH), 50V	AA
C10	VCCCPV1HH470J	47 pF(CH), 50V	
C11	VCCCPV1HH3R0C	3 pF(CH), 50V	AC
C12	VCTYPA1EX103M	0.01 μF, 25V	AA
C13	VCKYPA1HB102K	0.001 μF, 50V	AA
C17	VCTYPA1EX103M	0.01 μF, 25V	AA
C18	VCCSPV1HL5R0C	5 pF, 50V	AA
C20	VCTYPA1EX223M	0.022 μF, 25V	AA
C21	VCTYPA1EX103M	0.01 μF, 25V	AA
C22	VCCSPV1HL5R0C	5 pF, 50V	AA
C23	VCTYPA1EX103M	0.01 μF, 25V	AA
C24	VCCCPV1HH220J	22 pF(CH), 50V	AA
C25	VCQSMA1HL391J	390 pF, 50V, ±5%, Mylar	AB
C26	VCKYPA1HB102K	0.001 μF, 50V	AA
C27	VCTYPA1EX223M	0.022 μF, 25V	AA
C29	VCTYPA1EX223M	0.022 μF, 25V	AA
C31	VCTYPA1EX223M	0.022 μF, 25V	AA
C32	VCTYPA1EX223M	0.022 μF, 25V	AA
C33	VCTYPA1EX103M	0.01 μF, 25V	AA
C34	VCTYPA1EX103M	0.01 μF, 25V	AA
C35	VCTYPA1EX223M	0.022 μF, 25V	AA
C39	VCKYPU1HB221K	220 pF, 50V	AA
C40	VCTYPA1EX392K	0.0039 μF, 25V	AA
C46	VCQSMV1HL102J	0.001 μF, 50V, ±5%, Styrol	AB
C49	VCTYPA1EX223M	0.022 μF, 25V	AA
C50	VCTYPA1EX223M	0.022 μF, 25V	AA
C60	VCCSPU1HL180J	18 pF, 50V	AA
C65	VCCSPU1HL221J	220 pF, 50V	AA
C66	VCCSPU1HL680J	68 pF, 50V	AA
C67	VCCSPU1HL221J	220 pF, 50V	AA
C91	VCTYPA1EX103M	0.01 μF, 25V	AA
C92	VCTYPA1EX223M	0.022 μF, 25V	AA
C105	VCKYPA1HB102K	0.001 μF, 50V	AA
C106	VCKYPA1HB102K	0.001 μF, 50V	AA
C109	VCKYPA1HB221K	220 pF, 50V	AA
C110	VCKYPA1HB221K	220 pF, 50V	AA
C111	VCTYPA1EX103M	0.01 μF, 25V	AA
C112	VCTYPA1EX103M	0.01 μF, 25V	AA
C115	VCCSPA1HL470J	47 pF, 50V	AA
C116	VCCSPA1HL470J	47 pF, 50V	AA
C117	VCTYPA1EX223M	0.022 μF, 25V	AA
C118	VCTYPA1EX223M	0.022 μF, 25V	AA
C125	VCTYPA1EX103M	0.01 μF, 25V	AA
C126	VCTYPA1EX103M	0.01 μF, 25V	AA
C129	VCKYPA1HB152K	0.0015 μF, 50V	AA
C130	VCKYPA1HB152K	0.0015 μF, 50V	AA
C133	VCTYPA1EX223M	0.022 μF, 25V	AA
C134	VCTYPA1EX223M	0.022 μF, 25V	AA
C135	VCTYPA1EX223M	0.022 μF, 25V	AA
C151	VCKYPA1HB221K	220 pF, 50V	AA
C152	VCKYPA1HB221K	220 pF, 50V	AA
C167	VCTYPA1EX473M	0.047 μF, 25V	AA
C168	VCTYPA1EX473M	0.047 μF, 25V	AA
C169	VCKYPA1HB272K	0.0027 μF, 50V	AA
C170	VCKYPA1HB272K	0.0027 μF, 50V	AA
C171	VCTYPA1EX683M	0.068 μF, 25V	AA
C172	VCTYPA1EX683M	0.068 μF, 25V	AA
C183	VCKYPA1HB221K	220 pF, 50V	AA
C184	VCKYPA1HB221K	220 pF, 50V	AA
C191	RC-QZA184AFYK	0.18 μF, 25V, ±10%, Mylar	AC
C192	RC-QZA184AFYK	0.18 μF, 25V, ±10%, Mylar	AC
C201	VCCSPA1HL331J	330 pF, 50V	AA
C202	VCCSPA1HL331J	330 pF, 50V	AA
C203	VCQYVA1HA821J	820 pF, 50V, ±5%, Mylar	
C204	VCCSPA1HL331J	330 pF, 50V	AA
C205	VCQPKA2AA822J	0.0082 μF, 100V, ±5%, polypropylene	AA
C206	VCFYHA1HA563J	0.056 μF, 50V	AB
C207	VCQYVA1HA472J	0.0047 μF, 50V, ±5%, Mylar	AA
⚠C301	VCKZPA1HF102Z	0.001 μF, 50V	AA
⚠C302	VCKZPA1HF473Z	0.047 μF, 50V	AA
⚠C303	VCKZPA1HF102Z	0.001 μF, 50V	AA
⚠C304	VCKZPA1HF473Z	0.047 μF, 50V	AA
C305	VCKZPA1HF473Z	0.047 μF, 50V	AA
C307	VCTYPA1EX223M	0.022 μF, 25V	AA
C309	VCTYPA1EX223M	0.022 μF, 25V	AA
C311	VCKYPA1HB272K	0.0027 μF, 50V	AA
C313	VCQYVA1HA103J	0.01 μF, 50V, ±5%, Mylar	AA
C314	VCQPKV2AA333J	0.033 μF, 100V, ±5%, Polypropylene	AB
C316	VCTYPA1EX223M	0.022 μF, 25V	AA
C317	VCQYVA1HA103J	0.01 μF, 50V, ±5%, Mylar	AA
C319	VCQYVA1HA333J	0.033 μF, 50V, ±5%, Mylar	AB
C321	VCTYPU1EX223M	0.022 μF, 25V	AA
C502	VCTYPA1EX103M	0.01 μF, 25V	AA
C503	VCTYPA1EX103M	0.01 μF, 25V	AA
C506	VCKYPA1HB102K	0.001 μF, 50V	AA
C510	VCCCPA1HH150J	15 pF(CH), 50V	AA
C511	VCCCPA1HH180J	18 pF(CH), 50V	AA
C513	VCTYPA1EX103M	0.01 μF, 25V	AA
C515	VCTYPA1EX223M	0.022 μF, 25V	AA
C517	VCTYPV1EX222K	0.0022 μF, 25V	AA
C518	VCTYPU1EX103M	0.01 μF, 25V	AA
C522	VCTYPA1EX103M	0.01 μF, 25V	AA
C523	VCTYPA1EX103M	0.01 μF, 25V	AA
C524	VCTYPA1EX103M	0.01 μF, 25V	AA
C525	VCCSPA1HL820J	82 pF, 50V	AA
C526	VCTYPU1EX103M	0.01 μF, 25V	AA
C527	VCTYPV1EX103M	0.01 μF, 25V	AA
C528	VCCSPU1HL221J	220 pF, 50V	AA
C529	VCCSPU1HL221J	220 pF, 50V	AA
C530	VCCSPU1HL221J	220 pF, 50V	AA
C531	VCCSPU1HL221J	220 pF, 50V	AA
C533	VCCSPU1HL221J	220 pF, 50V	AA
C537	VCKYPU1HB102K	0.001 μF, 50V	AA
C539	VCCSPU1HL221J	220 pF, 50V	AA
C540	VCCSPU1HL221J	220 pF, 50V	AA
C541	VCCSPU1HL221J	220 pF, 50V	AA
C543	VCCSPU1HL221J	220 pF, 50V	AA
C544	VCCSPU1HL221J	220 pF, 50V	AA
C547	VCCSPU1HL221J	220 pF, 50V	AA
C548	VCKYPU1HB102K	0.001 μF, 50V	AA
		RESISTORS	
		(Unless otherwise specified, resistors are ±5%, carbon type)	
R2	VRD-ST2CD104J	100 kohm, 1/6W	AA
R3	VRD-ST2CD104J	100 kohm, 1/6W	AA
R4	VRD-ST2CD104J	100 kohm, 1/6W	AA
R5	VRD-ST2CD104J	100 kohm, 1/6W	AA
R6	VRD-ST2CD330J	33 ohms, 1/6W	AA
R7	VRD-ST2CD221J	220 ohms, 1/6W	AA
R8	VRD-ST2CD102J	1 kohm, 1/6W	AA
R9	VRD-ST2CD274J	270 kohms, 1/6W	AA
R10	VRD-ST2CD104J	100 kohm, 1/6W	AA
R11	VRD-ST2CD104J	100 kohm, 1/6W	AA
R12	VRD-ST2CD104J	100 kohm, 1/6W	AA
R13	VRD-ST2CD101J	100 ohm, 1/6W	AA
R14	VRD-ST2CD470J	47 ohms, 1/6W	AA
R15	VRD-ST2CD102J	1 kohm, 1/6W	AA
R16	VRD-ST2CD274J	270 kohms, 1/6W	AA
R17	VRD-ST2CD561J	560 ohms, 1/6W	AA
R19	VRD-ST2CD331J	330 ohms, 1/6W	AA
R20	VRD-ST2CD272J	2.7 kohms, 1/6W	AA
R21	VRD-ST2CD333J	33 kohms, 1/6W	AA
R22	VRD-ST2CD103J	10 kohm, 1/6W	AA
R23	VRD-ST2CD103J	10 kohm, 1/6W	AA
R24	VRD-ST2CD103J	10 kohm, 1/6W	AA
R25	VRD-ST2CD822J	8.2 kohms, 1/6W	AA
R26	VRD-ST2CD103J	10 kohm, 1/6W	AA
R27	VRD-ST2CD333J	33 kohms, 1/6W	AA
R28	VRD-ST2CD123J	12 kohms, 1/6W	AA
R29	VRD-ST2EE470J	47 ohms, 1/4W	AA
R30	VRD-RU2EE470J	47 ohms, 1/4W	AA
R31	VRD-ST2CD222J	2.2 kohms, 1/6W	AA
R32	VRD-ST2CD154J	150 kohms, 1/6W	AA
R40	VRD-ST2CD102J	1 kohm, 1/6W	AA
R41	VRD-ST2CD103J	10 kohm, 1/6W	AA
R42	VRD-ST2CD561J	560 ohms, 1/6W	AA
R43	VRD-ST2CD224J	220 kohms, 1/6W	AA
R44	VRD-ST2CD332J	3.3 kohms, 1/6W	AA
R45	VRD-ST2CD332J	3.3 kohms, 1/6W	AA
R46	VRD-ST2CD472J	4.7 kohms, 1/6W	AA
R47	VRD-ST2CD472J	4.7 kohms, 1/6W	AA
R49	VRD-ST2EE470J	47 ohms, 1/4W	AA
R51	VRD-ST2CD561J	560 ohms, 1/6W	AA
R52	VRD-ST2CD561J	560 ohms, 1/6W	AA
R53	VRD-ST2CD561J	560 ohms, 1/6W	AA
⚠R54	RR-XZ1027AFZZ	2.2 ohms, 1/11W, ±2%, Fusible	AE
R56	VRD-ST2CD823J	82 kohms, 1/6W	AA
R61	VRD-ST2CD103J	10 kohm, 1/6W	AA
R62	VRD-ST2CD153J	15 kohms, 1/6W	AA
R101	VRD-ST2CD822J	8.2 kohms, 1/6W	AA
R102	VRD-ST2CD822J	8.2 kohms, 1/6W	AA
R103	VRD-ST2CD820J	82 ohms, 1/6W	AA
R104	VRD-ST2CD820J	82 ohms, 1/6W	AA
R109	VRD-ST2CD122J	1.2 kohms, 1/6W	AA
R110	VRD-ST2CD122J	1.2 kohms, 1/6W	AA
R115	VRD-ST2CD274J	270 kohms, 1/6W	AA
R116	VRD-ST2CD274J	270 kohms, 1/6W	AA
R119	VRD-ST2CD822J	8.2 kohms, 1/6W	AA
R120	VRD-ST2CD822J	8.2 kohms, 1/6W	AA
R121	VRD-ST2CD820J	82 ohms, 1/6W	AA
R122	VRD-ST2CD820J	82 ohms, 1/6W	AA
R123	VRD-ST2CD563J	56 kohms, 1/6W	AA

REF.NO.	PART NO.	DESCRIPTION	CODE
R124	VRD-ST2CD563J	56 kohms, 1/6W	AA
R129	VRD-ST2CD123J	12 kohms, 1/6W	AA
R130	VRD-ST2CD123J	12 kohms, 1/6W	AA
R131	VRD-ST2CD472J	4.7 kohms, 1/6W	AA
R132	VRD-ST2CD472J	4.7 kohms, 1/6W	AA
R133	VRD-ST2CD102J	1 kohm, 1/6W	AA
R134	VRD-ST2CD102J	1 kohm, 1/6W	AA
R135	VRD-ST2CD332J	3.3 kohms, 1/6W	AA
R136	VRD-ST2CD332J	3.3 kohms, 1/6W	AA
R141	VRD-ST2CD102J	1 kohm, 1/6W	AA
R142	VRD-ST2CD222J	2.2 kohms, 1/6W	AA
R143	VRD-ST2CD102J	1 kohm, 1/6W	AA
R145	VRD-ST2CD222J	2.2 kohms, 1/6W	AA
R146	VRD-ST2CD105J	1 Mohm, 1/6W	AA
R148	VRD-ST2CD103J	10 kohm, 1/6W	AA
R149	VRD-ST2EE330J	33 ohms, 1/4W	AA
R150	VRD-ST2CD102J	1 kohm, 1/6W	AA
R151	VRD-ST2EE330J	33 ohms, 1/4W	AA
R165	VRD-ST2CD101J	100 ohm, 1/6W	AA
R166	VRD-ST2CD101J	100 ohm, 1/6W	AA
R167	VRD-ST2CD472J	4.7 kohms, 1/6W	AA
R168	VRD-ST2CD472J	4.7 kohms, 1/6W	AA
R171	VRD-ST2CD562J	5.6 kohms, 1/6W	AA
R172	VRD-ST2CD562J	5.6 kohms, 1/6W	AA
R185	VRD-ST2CD820J	82 ohms, 1/6W	AA
R186	VRD-ST2CD820J	82 ohms, 1/6W	AA
R189	VRD-ST2CD101J	100 ohm, 1/6W	AA
R190	VRD-ST2CD101J	100 ohm, 1/6W	AA
R201	VRD-ST2CD563J	56 kohms, 1/6W	AA
R202	VRD-ST2CD104J	100 kohm, 1/6W	AA
R203	VRD-ST2EE150J	15 ohms, 1/4W	AA
R204	VRD-ST2CD181J	180 ohms, 1/6W	AA
R205	VRD-ST2EE5R6J	5.6 ohms, 1/4W	AA
R206	VRD-ST2EE5R6J	5.6 ohms, 1/4W	AA
R207	VRD-ST2EE5R6J	5.6 ohms, 1/4W	AA
R208	VRD-ST2EE5R6J	5.6 ohms, 1/4W	AA
R301	VRD-ST2CD100J	10 ohm, 1/6W	AA
R302	VRD-ST2CD683J	68 kohms, 1/6W	AA
R303	VRD-ST2CD560J	56 ohms, 1/6W	AA
R304	VRD-ST2CD561J	560 ohms, 1/6W	AA
R305	VRD-ST2CD221J	220 ohms, 1/6W	AA
R306	VRD-ST2CD102J	1 kohm, 1/6W	AA
R307	VRD-ST2CD820J	82 ohms, 1/6W	AA
R308	VRD-ST2CD562J	5.6 kohms, 1/6W	AA
R309	VRD-ST2CD682J	6.8 kohmS, 1/6W	AA
⚠R310	VRG-ST2EF100J	10 ohm, 1/4W, ±5%, Fusible	AB
R501	VRD-ST2CD224J	220 kohms, 1/6W	AA
R502	VRD-ST2CD102J	1 kohm, 1/6W	AA
R504	VRD-ST2CD472J	4.7 kohms, 1/6W	AA
R505	VRD-ST2CD153J	15 kohms, 1/6W	AA
R506	VRD-ST2CD103J	10 kohm, 1/6W	AA
R511	VRD-ST2CD103J	10 kohm, 1/6W	AA
R512	VRD-ST2CD391J	390 ohms, 1/6W	AA
R513	VRD-ST2CD391J	390 ohms, 1/6W	AA
R514	VRD-ST2CD271J	270 ohms, 1/6W	AA
R515	VRD-ST2CD271J	270 ohms, 1/6W	AA
R516	VRD-ST2CD681J	680 ohms, 1/6W	AA
R517	VRD-ST2CD273J	27 kohms, 1/6W	AA
R518	VRD-ST2CD104J	100 kohm, 1/6W	AA
R519	VRD-ST2CD103J	10 kohm, 1/6W	AA
R521	VRD-ST2CD472J	4.7 kohms, 1/6W	AA
R522	VRD-ST2CD101J	100 ohm, 1/6W	AA

CIRCUIT PARTS

BI101	QCNW-3760AFZZ	Connector Assembly, 1 Pin	AB
CNP101	QCNCM586EAFZZ	Plug, 5 Pin	AB
CNP102	QCNCM588GAFZZ	Plug, 7 Pin	AB
CNP103	QCNCM584CAFZZ	Plug, 3 Pin	AA
CNP104	QCNCM656DAFZZ	Plug, 4 Pin	AB
CNP501	QCNCM583BAFZZ	Plug, 2 Pin	AA
CNS101	QCNW-3759AFZZ	Connector Assembly, 5 Pin	AE
CNS102	QCNW-2839AFZZ	Connector Assembly, 7 Pin	AE
CNS103	QCNW-2456AFZZ	Connector Assembly, 3 Pin	AF
CNS501	QCNW-3761AFZZ	Connector Assembly, 2 Pin	AC
⚠F301	QFS-C801GAFNI	Fuse, T80 mA/ 250V	AD
J101	QJAKE0124AFZZ	External Microphone Jack (Left)	AC
J102	QJAKE0124AFZZ	External Microphone Jack (Right)	AC
J103	QJAKJ0145AFZZ	Headphones Jack	AF
⚠MO401	RMōTV0165AF01	Motor Assembly	AT
⚠SO301	QSōCA0370AFZZ	Socket, AC Power Supply	AG
SP1	VSP0090P-12SA	Speaker, Woofer	AN
SP2	VSP0090P-12SA	Speaker, Woofer	AN
SW1	QSW-P0657AFZZ	Switch, Push Type	AE
SW2	QSW-P0621AFZZ	Switch, Push Type	AE
SW101	QSW-P0620AFZZ	Switch, Push Type	AG
SW102	QSW-S0430AFZZ	Switch, Slide Type	AF
SW201	QSW-S0267AFZZ	Switch, Slide Type	AD
SW401	94RLSA-1120RC	Switch, Leaf Type	AE
SW402	94RMSW-1259T	Switch, Leaf Type	AE
SW601	QSW-K0086AFZZ	Switch, Push Type	AB
SW602	QSW-K0086AFZZ	Switch, Push Type	AB
SW603	QSW-K0086AFZZ	Switch, Push Type	AB
SW604	QSW-K0086AFZZ	Switch, Push Type	AB
SW605	QSW-K0086AFZZ	Switch, Push Type	AB
SW606	QSW-K0086AFZZ	Switch, Push Type	AB
SW607	QSW-K0086AFZZ	Switch, Push Type	AB
SW608	QSW-K0086AFZZ	Switch, Push Type	AB
SW609	QSW-K0086AFZZ	Switch, Push Type	AB
SW610	QSW-K0086AFZZ	Switch, Push Type	AB

MECHANICAL PARTS

1	94R180001501	Main Chassis Assembly	AQ
2	94R15100202	Lever, Record/Playback Selector	AC
3	94R18000201	Lever, Erase Prevention	AC
6	94R18000306	Sub-Chassis	AD
7	94R18000305	Head Base	AD
8	94R180003305	Lever, Auto Stop Sensor	AD
9	94R14400315	Spring, Head Azimuth	AB
10	94R18000307	Spring, Over Stroke	AB
11	94R18001404	Spring, Cue/Revew	AC
12	94R180004305	Pinch Roller Assembly	AG
13	94R18000405	Spring, Pinch Roller	AC
14	94R17152015	Stop Washer, Pinch Roller	AC
18	94R180006314	Roller, Fast Forward/Rewind Assembly	AK
19	94R180006504	Lever, Playback Idler	AE
20	94R18000635	Idler, Playback	AE
21	94R18000608	Spring, Playback Idler	AC
22	94R18000609	Spacer, Playback Idler	AB
24	94R18000610	Gear, Fast Forward	AD
26	94R180007317	Flywheel Assembly	AK
27	94R18000732	Bracket, Flywheel	AE
28	94R12000906	Bracket, Flywheel	AB
29	94R18000707	Spring, Flywheel	AC
31	94R180005303	Turntable, Take-Up Assembly	AG
32	94R18000508	Spring, Take-Up Turntable	AB
34	94R180005302	Turntable, Supply Assembly	AG
35	94R18000507	Spring, Supply Turntable	AB
37	94R18001005	Bracket, Motor	AD
39	94R18001010	Belt, Motor Drive	AG
40	94R05880910	Cushion, Motor	AB
41	94R12001201	Screw, Motor	AB
43	94R05630902	Cushion, Vibration Prevention	AC
46	94R18001114A	Lever, Cassette Holder Release	AC
47	94R18001123	Spring, Cassette Holder Release Lever	AB
48	94R18001103	Spacer, Cassette Holder Release Lever	AA
50	94R18000934-3	Chassis, Button Operation Lever (Right)	AF
51	94R18000935B	Chassis, Button Operation Lever (Left)	AF
52	94R180009501	Lever, Pause Lock Assembly	AE
53	94R18000909	Lever, Stop/Eject	AC
54	94R18000941	Lever, Fast Forward	AD
55	94R18000942	Lever, Rewind	AD
56	94R18000940	Lever, Playback	AC
57	94R18000902	Lever, Record	AC
58	94R18000903	Spring, Record/Playback/ Stop Lever	AC
59	94R18000905	Spring, Rewind Lever	AC
60	94R18000907	Spring, Fast Forward Lever	AC
61	94R18000957	Spring, Pause Lock Lever	AC
62	94R180009304	Lever, Button Lock Assembly	AD
63	94R180009348	Spring, Button Lock Lever	AB
64	94R17000920	Shaft, Button Lock Lever (Left)	AB
65	94R18000917	Shaft, Button Lock Lever (Right)	AC
66	94R18000952	Lever, Record Joint	AB
67	94R12221702	Lever, Pause Lock Selector	AC
68	94R180009118	Spring, Pause Lock Selector Lever	AC
69	94R18201032	Stop Washer, Pause Lock Selector Lever	AA
71	94R18200107	Spring, Cassette Pressure	AC
73	94R18001406	Lever, Switch Joint	AC
74	94R18200812	Lever, Timing	AC
75	94R18001402	Lever, Panel Return	AC
76	94R18001407	Spring, Panel Return Lever	AB
77	94R18001411	Lever, Cue/Revew Arm	AC
79	94R17200623	Spring, Timing Lever	AA
80	94R91810000	Screw, φ2 × 5mm	AA
81	94R90770000	Screw, φ2 ×,4mm	AA
82	94R91800000	Screw, Taptite, φ2 × 4mm	AA
83	94R90390000	Screw, φ2.6 × 5mm	AA
84	94R99220000	Screw, φ2 × 7mm	AA
85	94R98200000	Screw, φ2 × 7mm	AA
86	94R98210000	Screw, φ2 × 8mm	AA
87	94R91910000	Screw, φ2.6 × 4mm	AA
88	94R96610000	Screw, φ2 × 5mm	AA
90	94R97170000	Screw, φ2 × 9mm	AA
91	94R93330000	Washer, φ2.4 × φ7 × 0.2mm	AA
92	94R97930000	Washer, φ1.6 × φ3.4 × 0.3mm	AA
93	94R94210000	Washer, φ1.2 × φ3 × 0.25mm	AA
94	94R93120000	Washer, φ2.1 × φ5 × 0.5mm	AA
95	94R93610000	Washer, φ1.85 × φ5 × 0.5mm	AA
96	94R97760000	Washer, φ2.05 × φ8 × 0.5mm	AA
97	94R97180000	Special Screw, φ3.3 × 4mm	AA
98	94R98610000	Special Screw, φ2.5 × 6mm	AA
99	94R17001202	Special Screw, φ2 × 3mm	AA
100	94R97930000	Washer, φ1.6 × φ3.4 × 0.4mm	AA
101	JKNBM0554AFSC	Button, Mechanism	AC
102	RHEDA0094AFZZ	Head, Erase	AF
103	RHEDH0104AFZZ	Head, Record/Playback	AN
104	LHLDW1059AFZZ	Wire Holder	AA
105	LHLDW1075AFZZ	Nylon Band, 60mm	AA
106	LHLDW3056AFZZ	Wire Holder, 31mm	AA
107	XHPSD26P04000	Screw, φ2.6 × 4mm	AA

CABINET PARTS

201	CCAB-1493AF01	Front Cabinet Assembky	BE
201-1	————	Front Cabinet	—
201-2	HPNLD1250AFSA	Plate, Dial Scale	AH
202	HPNC-0213AFSA	Punching Metal, Left	AF
203	HPNC-0214AFSA	Punching Metal, Right	AF
204	GCōVH1187AFSK	Cover, AC Power Supply Socket	AC
205	GFTAB1169AFSA	Lid, Battery Compartment, Side	AD
206	GFTAC1512AFSC	Cassette Holder	AK
207	HDECP0399AFSA	Window, Cassette Holder	AH
208	JHNDP3059AFSC	Handle	AM
209	LANGK0282AFZZ	Bracket, Speaker Retaining	AA
210	MLiFP0034AFZZ	Damper	AC
211	MSPRD0659AFFJ	Spring, Cassette Holder	AC
212	CCAB-1494AF01	Rear Cabinet Assembly	BA
212-1	————	Rear Cabinet	—
212-2	HINDM1650AFSA	Plate, Top	AK
213	MSPRC0479AFFW	Spring, Battery (+,−)	AC
214	PSHEZ0165AFZZ	Sheet, Touch Key	AF
215	QANTR0112AFZZ	Rod Antenna	AN
216	QCNW-3773AFZZ	Lug, with Lead	AB
217	QTANB0169AFFW	Terminal, Battery (+)	AB
218	MSPRC0558AFFJ	Spring, Battery (−)	AD
219	PCUSU0304AFZZ	Cushion, Built-In Microphone	AA
220	PRDAR0344AFFW	Heat Sink	AC
221	PSPAZ0207AFZZ	Spacer, LED, (A)	AC
222	PSPAZ0208AFZZ	Spacer, LED, (B)	AC
223	PSPAZ0210AFZZ	Spacer, LED, (D)	AC
224	PSPAZ0209AFZZ	Spacer, LED, (C)	AC
225	QFSHD2051AFZZ	Holder, Fuse	AA
226	QLUGP0109CEFW	Lug, Terminal	AA
227	RMiCC0096AFZZ	Bilt-In Microphone	AE
228	LHLDB1154AFZZ	Holder, Battery	AE
229	LHLDF1355AFZZ	Frame	AG
230	MSPRC0592AFFJ	Spring, Battery (+)	AB
231	MSPRC0593AFFJ	Spring, Battery (−)	AB
232	MSPRC0594AFFJ	Spring, Battery (+,−)	AB
233	PSLDC3197AFZZ	Shield Plate, (A)	AC
234	PSLDC3198AFZZ	Shield Plate, (B)	AC
235	PSLDC3199AFZZ	Shield Plate, (C)	AC
237	JKNBK0281AFSB	Knob, Push Switch	AD
238	JKNBK0296AFSB	Knob, Volume/Tone/Balance Control	AD
239	LHLDW9003CEZZ	Wire Holder	AA
240	MSPRD0670AFFJ	Spring, Record/Playback Selector	AB
241	KCōUB0171AFZZ	Digital Tape Counter	AH
242	NBLTK0302AFZZ	Belt, Digital Tape Counter	AB
243	GFTAB1143AFSC	Lid, Battery Compartment, Rear	AC
244	HINDP1493AFSA	Label, Specifications	AC
245	PCUSG0128AF00	Cushion, Handle	AA
246	PCUSS0310AFZZ	Cushion, Battery Compertment, Rear	AB
247	PCUSS0309AFZZ	Cushion, Battery Compertment, Side	AB
601	LX-BZ0345AFFF	Screw, φ2 × 11mm	AF
602	XCBSD30P08000	Screw, φ3 × 8mm	AA
603	XNEBN20-12000	Washer, φ2 × 1.2mm	AA
604	XCBSD30P10000	Screw, φ3 × 10mm	AA
606	XCBSD30P06000	Screw, φ3 × 6mm	AA
607	LX-JZ0065AFFD	Screw, φ3 × 8mm	AB
608	LX-WZ7056AFZZ	Washer	AA
609	XCBSD30P12000	Screw, φ3 × 12mm	AA
610	LX-CZ0029AF00	Screw, φ3 × 55mm	AA

REF.NO.	PART NO.	DESCRIPTION	CODE
611	LX-WZ7056AFZZ	Fiber Washer	AA

ACCESSORIES/PACKING PARTS

⚠	QACCK0054AF00	AC Power Supply Cord	AL
	SPAKA1428AFZZ	Packing Add., Left	AE
	SPAKA1429AFZZ	Packing Add., Right	AE
	SPAKC3772AFZZ	Packing Case	AH
	SPAKP0602AFZZ	Polyethylene Bag, Unit	AC
	SSAKA0021AFZZ	Polyethylene Bag, Operation Manual	AA
	TGANG1054AFZZ	Warranty Card, For Europe	AA
	TiNSZ0879AFZZ	Operation Manual	AN
	TLABZ0812AFZZ	Label, Feature	AC

P.W.B ASSEMBLY(Not Replacement Item)

PWB-A1,A2	DCYδ-0905AF01 (Combined Assembly)	Main/LED	—
PWB-B1～B4	DKEND0589AF01 (Combined Assembly)	LED/PLL Control/Switch	—

SHARP

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